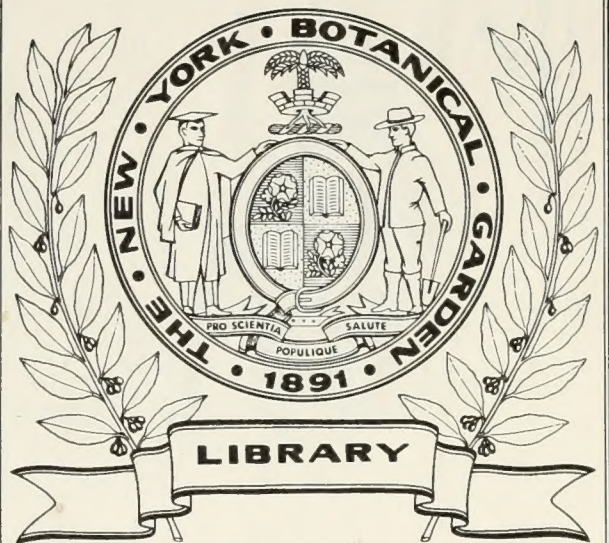


XH
0851

vol. 12
1910



HORTICULTURE

INDEX TO VOLUME XII

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

Illustrated articles are marked with *

	Page		Page
A			
* <i>Acanthopanax Ricinifolium</i>	369	Bulb industry of the Netherlands	608
* <i>Acidanthera bicolor</i>	565	*Bunyard, Harry A.....	75
<i>Aeschynanthus</i>	401	*Burpee, W. Atlee.....	75
Agriculture, Annual Report of Secretary.....	818	C	
Agriculture, U. S. Department of:		Caladium, Fancy leaved.....	*893, 897
—Bureau of Plant Industry. New Plants now ready for distribution.....	372	<i>Calceolaria hybrida</i>	*493, 499
—Show.....	666a	California Privet, Propagating....	568
Alabama State Horticultural Society.....	933	Canadian Destructive Insect and Pest Act.....	392
Albany Florists' Club.....	106, 704, 870	Canadian Horticultural Association.....	252
*Amateur with a record, An.....	736	Canterbury Bell.....	599
<i>Amazonia punicea</i>	805	Carnation Countess Knuth.....	43
American Association of Nurserymen.....	374, 770	*Carnation exhibit, A European..	904
American Association of Park Superintendents....	74, 140, 244, 274	Carnation houses and selection of varieties.....	819
—Eastern Branch.....	536	Carnations at Tewksbury, Mass.....	835, 868
American Association of R. R. Gardeners.....	243, *375	Carnations in England.....	833
American Carnation Society.....	9, 169, 342, 738, 810, 904, 933	Carnation Society of England, Perpetual Flowering.....	601
American Institute of New York..	469	*Castle Automatic Circulator changes hands, The.....	137
American Pomological Society....	738	Catalogues received....	16, 87, 112, 280, 316, 380, 410, 473, 542, 574, 603, 640, 668, 758, 779, 938.
Amherst, An event at.....	608	<i>Cattelya Dusseldorfii</i> var: <i>Undine</i>	*761, 772
Apples, Big money in.....	112	<i>Cattleya Harrisoniae</i>	*297, 301
Apple Growers' Congress.....	253	<i>Cattleya labiata</i> buds, Rotting of.....	601, 631, 667
*Apple premium, An.....	851	<i>Cattleya Mendelli</i> Stuart Low.....	*333, 337
Apple show, Preparing for Spokane.....	136	* <i>Celosia</i> Pride of Castle Gould....	365
*Apple Tree, A record breaking....	43	Cement greenhouse benches.....	280, 394
Appraisers' Decisions.....	489	Chicago Florists' Club.....	243, 536, 600, 810.
Appreciates novelties.....	901	Chicago Horticultural Society....	246, *697
Appreciation, poetry.....	666d	Chicago houses, Three representative.....	225
Arnold Arboretum, Notes from....	69, 101, 133, 165, 190, 265, 337, 497	Chicago Notes.....	19, 51, 77, 110, 147, 183, 283, 319, 351, 415, 447, 479, 511, 547, 579, 605, 643, 669, 747, 783, 834, 879, 904, 936.
A Seventy-fifth Anniversary.....	137	* <i>Chrysanthemum</i> December Gem, New.....	876
*Asmus, George.....	261	<i>Chrysanthemum</i> novelties certified in London.....	736
Asparagus Forcing.....	731	<i>Chrysanthemum</i> Society of America....	373, 502, 571, 666b, 702, 771, 812, 889.
Aster Beetle, The.....	424, 458	—Annual meeting. Election of officers. Address of President Elmer D. Smith, portrait. Work of committees.....	635
Asters, Hardy Fall.....	661	<i>Chrysanthemum</i> that lives, A....	710
*Aster Novae-Angliae Lil Fardel..	657	<i>Chrysanthemum</i> , The first.....	957
Aster prize contest, An.....	380	<i>Chrysanthemums</i> at Hartford....	601
*Aster, The Rochester.....	193	* <i>Chrysanthemums</i> at Minneapolis, Single.....	817
Aster, Rochester and the branching.....	205	<i>Chrysanthemums</i> , New French..	935
Azalea supply, The.....	631	* <i>Chrysanthemums</i> , Some new.....	769
B			
Bankruptcy, In.....	189, 280, 319, 679, 890.	* <i>Chrysanthemums</i> , Three new.....	666c
Barr, Peter, Memorial Fund.....	72	<i>Chrysanthemums</i> , Two of the newest.....	373
*Bar Harbor estate, Driveway into a	925	Cincinnati Florists' Society.....	105, *109, 537
Boskoop, Great exhibition at....	106	Cincinnati notes....	115, 282, 675, 711, 777
Boskoop, Proposed exhibition at.	736	Cincinnati personals....	55, 179, 387, 637
Boston Chrysanthemum Show, No	600	Cincinnati's proposed big exhibition.....	810
Boston Flower Exchange, Inc., Annual banquet of.....	*593, 602	Club and Society Notes....	41, 106, 141, 243, 254, 309, 408, 438, 470, 500, 503, 537, 601, 740, 741, 772, 933.
Boston market premiums.....	387		
Botanical Garden for Brooklyn, N. Y.....	393		
*Brasso-Cattleya × <i>Mariae</i>	65, 71		
*Breed, E. W.....	666b		
Bridesmaid, A yellow.....	635		
British jottings.....	812		
British Hardy Plant Society.....	812		
British Horticulture....	5, 71, 202, 339, 467, 565.		
British Societies.....	934		
*Browne, George E.....	437		
Buffalo flower show.....	666		
Buffalo notes.....	666c		
Buffalo to have a flower show....	437		
Bulb auction sales.....	666d		
College Point, Activity at.....	832		
College Point plant outlook.....	470		
Concrete fence posts.....	93		
Connecticut Horticultural Society 9, 342, 406, 468, 666, 770, 810, 903.			
Conservatory and garden....	*397, 401		
Conservation.....	341		
* <i>Cornus canadensis</i>	597		
*Critchell, C. E.....	105		
Cromwell jottings.....	568		
Cucumber diseases.....	807		
<i>Cypripedium</i> , A pest on.....	778		
* <i>Cypripedium</i> × <i>Germaine</i> Opoix..	733		
* <i>Cypripedium</i> King George V.....	665		
* <i>Cypripedium</i> Gaston Bulteel.....	469		
* <i>Cypripedium</i> × <i>Olivia</i>	935		
D			
Dahlia Growers' Association of Hammonton.....	375		
Dahlia Society, New England....	435		
*Dahlias of merit, Four.....	436		
*Dawson, Jackson.....	506		
"De Big Fiel' by de Town," poetry.....	308		
Dendrobiums, Some graceful....	308		
Detroit Florist Club.....	174, 342, 437, 570, 666b		
Detroit notes.....	442		
<i>Dimorphotheca aurantiaca</i> ..	*461, 467		
<i>Dipladenias</i>	202		
Dobbs Ferry Horticultural Association exhibition.....	700		
Dreer, H. A., New plant for.....	378		
*Duke's Park greenhouses.....	254		
During Recess:			
—The opening frolic at Ware-town. New York Florists' Club outing. New York and New Jersey Association of Plant Growers.....	12		
—Out of the Ginger Jar. New York and New Jersey Association of Plant Growers. The Greek picnic. *Ladies at New York Florists' Club outing.....	77		
—Gardeners' and Florists' Club of Boston. St. Louis Florists' Club outing.....	142		
—Cincinnati Florists' Society. A Philadelphia catastrophe.....	143		
—Maryland horticulturists.....	171		
—*Florists' Club of Washington. Buffalo Florists' Club. Minnesota State Florists' Association.....	172		
—Long Island Florists' Bowling Club.....	77, 174, 256		
—Nassau County Horticultural Society.....	256		
—*Connecticut Nurserymen's Association. Omaha Florists' Club. Trophies for Baltimore.....	308		
—Elberon Horticultural Society..	342		
—*Snap shots at the convention.	343		
—Attention New York Bowlers..	407		
—Das Schwaebische Volksfest. New Orleans Horticultural Society. Bar Harbor Horticultural Society.....	425		
—Newport Horticultural Society ball.....	489		
—Astoria Florists' Bowling Club	559		
—Chicago Wholesale Employees.	636		
—New York Bowlers....	489, 506, 540, 602, 636, 666c, 720, 741, 772, 817, 889, 921, 957.		

	Page		Page		Page
—Chicago Bowlers.....	489,	Exhibitions coming.....	539, 572, 606	Grape Hybridization, An interest-	729
506, 540, 589, 602, 636, 666c, 889.		Express companies, To curb the.	500	ing question in.....	
—Cincinnati Bowlers	506, 540, 666c, 817, 921, 957			Greenhouses building or contem-	158,
		F		plated.....	30, 62, 94, 126, 158,
E		Failure in Boston, A.....	603	190, 256, 292, 328, 362, 394, 426,	
Editorials:		Fertilizer analysis, A.....	125	458, 490, 522, 558, 590, 622, 654,	
—Low tide. A hint to the peony		Fertilization of apple orchards,		686, 722, 758, 794, 852, 890, 922,	
dealer. The seedsman and the		The	125	958.	
public	6	Fire Record.....		*Greenhouse range, A notable....	535
—The S. A. F. Convention. Cen-		.....157, 636, 686, 720, 851, 921,	958	Greenhouse Vegetable Growers'	
tralization without absorption.		Fisher's, A peep at Peter.....	901	and Market Gardeners' Associa-	
The long-credit evil.....	38	*Floral piece, An effective.....	404	tion of America.....	74
—Go to Rochester. Estimation		Florists' Stock, Seasonable notes		Growers, Some Massachusetts... 341	
and registration. Worthy of		on culture of....7, 39, 72, 103,			
emulation	70	167, 199, *265, 301, 338, 371, 403,		H	
—Bon voyage. The National		433, 465, 499, 530, 567, 599, 630,		Hail Association, Florists'....174, 274	
Flower Show. Wisdom in ad-		*663, 693, 730, *731, *767, 806,		Hail Association is A 1, The.... 124	
vertising	102	865, 899, 931.		Hail storm in Massachusetts.... 190	
—Grafting again. Baltimore's op-		Florists' Telegraph Delivery.344, 666d		*Hail storm, Severe.....	410
portunity. Is a cecus a palm?..	134	Flower dealer, A New York.... 137		Hammond's Benjamin, New	
—The society's opportunity. To		Flowering plants for cool con-		building	94
investigate the express busi-		servatory	568	*Heating system installed at Cor-	
ness	168	*Florist firm, A new.....	489	nell	11
—“Do it for Rochester.” A re-		Flower Market Reports:		Herbaceous plants	42
quest and a reason. “Show me”	204	—Boston.....21, 53, 85, 117, 149,		Holiday weather insurance..... 490	
—The Hail Association. An ob-		181, 223, 285, 321, 353, 385, 417,		Holland	533
ject and a leader. Another		449, 481, 513, 549, 581, 613, 645,		Huntington Horticultural and Ag-	
monument	268	677, 713, 749, 785, 841, 881, 913,		ricultural Society	666a
—Keeping up the stock. Broad		940.		Huss, J. F., in Switzerland..... 312	
gauge principles. Winter ver-		—Buffalo....53, 117, 149, 181, 223,			
sus summer meetings.....	302	285, 353, 417, 449, 481, 581, 613,		I	
—A wide-awake youngster. Evo-		645, 677, 713, 785, 881.		*Incarvilleas	629
lution on new lines. The mod-		—Chicago.....21, 53, 85, 117, 149,		Incorporated	48, 76, 112,
ern aster	340	181, 223, 285, 321, 353, 385, 417,		144, 189, 221, 280, 339, 361,	
—For better business principles.		449, 481, 513, 549, 581, 615, 645,		380, 410, 442, 515, 544, 583,	
The railroad gardeners. Beau-		677, 713, 749, 785, 841, 881, 913,		654, 666c 721, 736, 794, 851,	
ty versus utility.....	370	940.		890, 915, 942.	
—Starting right. A problem in		—Cincinnati.....53, 119, 151, 183,		Indiana, State Florists' Associa-	
schedule making. The exhibi-		287, 385, 451, 483, 513, 549, 615,		tion of.....408, 571, 666a 700	
tion season	402	638, 677, 713, 749, 787, 841, 913,		Insecticide Act of 1910, The..... 603	
—A backward step. Time for ac-		940.		Insecticide and Fungicide regu-	
tion. Education will count... 434		—Detroit....21, 85, 183, 355, 417,		lations	521
—The water famine. A hint to		513, 581, 749, 787.		International Horticultural Show 932	
the bulb forcing industry.		—New Orleans	679	*Ipomoea pandurata	401
What the dahlia might do.... 466		—New York...23, 55, 87, 119, 151,			
—A retailer's advice. Encourage		183, 323, 355, 387, 419, 451, 483,		J	
the amateur. What home gar-		515, 551, 583, 615, 647, 679, 715,		Japan lily bulbs ruined by floods. 381	
dening might do	498	751, 787, 843, 883, 915, 951.		K	
—Catalogue excellence. Your		—Philadelphia....21, 55, 87, 119,		Kingston, R. I., A visit to..... 109	
duty. Busy times for the spe-		151, 183, 225, 287, 323, 355, 385,			
cialist. Trade interest in the		419, 451, 483, 515, 549, 583, 615,		L	
National Flower Show.....	532	647, 679, 715, 751, 792, 843, 883,		Lake Geneva Gardeners' and	
—Park boards. Regulating the		915, 949.		Foremen's Association Exhi-	
seedsman. Flower show money		—St. Louis....225, 451, 513, 883, 949		tion	734
—The plant shippers' affiliations.		—Toledo	715	Land, An enchanted.....	103
Modernizing the flower show.. 598		—Washington...453, 638, 749, 792, 940		Landscape effect considered in	
—Scenic features in the flower		Flower Show notes.....	373	greenhouse construction..*525, 529	
show. Effects of the strike.		Forcing vegetables and fruits,		Learning, A little	48
The right and the wrong way.. 632		Seasonable notes on.....	661	Lenox Horticultural Society....	
—The sentimental in catalogue		Foreign notes.....37, 203, 666d		.....246, 406, 634, 664, 904	
making. Sentiment in the back		Foreign plant introductions, Bul-		*Leopard moth, The	73
yard. Neglected opportuni-		letin of.....*310, 556, 780, 816, 849		Lily growing districts in Japan,	
ties	662	France, National Horticultural		views of	213
—The flower shows. A lesson		Society of	932	Lime sulfur injury	938
from the strike.....	694	France, National Horticultural		London, New trade society in... 738	
—To improve business methods.		Society, Exhibition of at Paris. 734		Lotus peliorhynchus	666a
Undesirable evolution.....	732	*Freeze in Iowa, The.....	13	*Lychins	861
—Where credit is due. Sum-		Fruit and vegetables under glass			
ming up	768	*729, 765, 809, 861, *862, 863, 898,		M	
—For the busy man. The adver-		929.		Mackintosh, Prof. B. S., Goes to	
tiser. Vicissitudes of the bulb		Fruit table, Champion decorated. 429		Penna. State College.....	238
business. Chrysanthemum holds				*Magnolia as an avenue tree in	
her ground	808	G		Rochester, The	129
—In readiness. An abuse of op-		Gardener and His Work, The.... 775		Magnolia avenue, A.....	135
portunity. “Made in Ameri-		Gardeners' and Florists' Club of		*Marion, A visit to.....	41
ca”	864	Baltimore	342, 701	Maryland Agricultural College.. 934	
—Compliments of the season. Not		Gardeners' and Florists' Club of		*Maryland State Horticultural So-	
“too many roses.” The dawn		Boston.....108, 374, 437, 536,		cietiy	811
of a better day	900	570, 636, 701, 810, 902.		Massachusetts Horticultural So-	
—It dies hard. Some “seed trials,”		Geraniums, The new.....	863	cietiy	13, 309, 469, 600,
The end of 1910.....	930	Gladiolus at Rochester, The..... 343		666b, 738, 932	
*Elchling, Richard	309	Gladioli in London.....	348	—Midwinter show	771
Elberon Horticultural Society....		Gladiolus Society, American....		Massachusetts Nurserymen's As-	
.....12, 141, 437, 600, 702, *734		.....40, 76, 106, 174, 307, 812		sociation	932
*Elizabeth Park, View in.....	625	Government positions open.....666d		*Medal of honor, The George Rob-	
European notes	820	Grapery Borders and Heating... 568		ert White	813

HORTICULTURE

	Page
*Meehan, Charles E.....	361
Melons, pests and diseases.....	200
*Melons under glass.....	166
Memorial trees, etc., Care of....	542
Michell's dahlia show.....	471
Midsummer flowering shrubs....	529
*Miller, Peter M.....	902
Milwaukee exhibition.....	*689, 698
Minneapolis flower show.....	699, *725, 734
Mission of Beauty, The.....	814
Mission of the trade paper, The	816
Missouri Fruit Growers' Institute	932
*Moltz, A.....	137
Monmouth County (N. J.) Horti- cultural Society, Exhibition of..	634
Morris County Gardeners' and Florists' Society.....	8, 902
Morristown show, the.....	536, 633
Mt. Clement grower, A.....	474
Mushrooms, Cultivation of.....	369
Mushrooms in Europe.....	501

N

Nassau County Horticultural So- ciety.....	105, 309, 437, 502, 571, 633, 701, 903
National Flower Show, The.....	109, 812
Nature supreme.....	929
Nebraska State Horticultural So- ciety.....	74
Nepenthes and Rhododendrons at at J. Veitch & Sons'.....	372
New Haven, Conn. Horticultural Society, Exhibition of.....	633
New Jersey Floricultural Society 406, 502, 570, 633, 738, 903.	
New London Horticultural Socie- ty.....	702
New Orleans Horticultural So- ciety.....	40, 140, 309, 902
New Orleans notes.....	602
*Newport Horticultural Society 8, 105, 140, 374, 468, 600, 771, 874, 933.	
Newport notes.....	355
News notes.....	15, 19, 23, 29, 62, 76, 83, 119, 158, 174, 189, 190, 218, 220, 221, 224, 280, 308, 309, 310, 311, 322, 328, 346, 355, 362, 376, 387, 419, 425, 426, 451, 457, 458, 478, 489, 505, 515, 540, 551, 558, 571, 576, 601, 620, 622, 637, 638, 640, 667, 668, 675, 711, 715, 721, 742, 756, 758, 772, 774, 783, 794, 843, 851, 852, 868, 877, 883, 889, 890, 922, 958.
New Year's Bells, poetry.....	934
New Year's word, A.....	929
New York and New Jersey Asso- ciation of Plant Growers.....	874
New York Florists' Club.....	
.....	374, 406, 468, 536, 702, 869
*New York Florists' Club at Wit- zel's Point.....	33
New York, Horticultural Society of.....	470, 634, *696
New York Notes.....	569
Northern Indiana Florists' As- sociation.....	141, 600
North Shore Horticultural Society	40
Notes, About seasonable.....	136
*Nugent, John B., Jr.—President- Elect New York Florists' Club	857
Nursery, An interesting.....	472
Nursery merger, A.....	535
Nursery stock, Infected, at British Columbia.....	112
Nymphaea Baumii.....	124

O

Obituaries:	
—Ahearn, Joseph M., 569; Allan, Mrs. John T., 424; Allen, W. H., 936; Anderson, Mrs. Geo. M., 110; Appleton, William A., 866.	

—Berckmans, P. J., 722; Bowden, Henry J., 189; Braslan, Charles P., 866; Buist, Robert, Jr., 866.	
—Carmichael, Hugh, 376; Char- vat., Charles, 569; Close, Ern- est J., 569; Colflesh, J. William, *867, 906; Craw, Lyman B., *376; Crosby, Henry B., 488; Culverwell, William, 76.	
—Dauthenay, M., 906; Deake, Mrs. Josephine B., 778; Dee, Thomas W., 60; Dickinson, Mar- rie I., 457; Diehl, Henry, 778; Dorner, Fred, 936; Dragon, Louis, 275; Drobisch, Gustav, 110; Dudley, J. W., 76.	
—Ehrenberg, Frederick, 488.	
—Flight, Frederick W., 457; Flory, David, 906; Fruck, Hen- ry, 722; Fuller, Luther W., 189.	
—Gano, W. G., 156; Geng, Mrs. Malvina S., 60; Green, Prof. Samuel B., 76, 110.	
—Halbig, Mrs. John H., 76.	
—Jans, Rudolph, 751; Jones, M. D., 23.	
—Katoll, Frederick A., 310; Keitsch, Marie M., 488; Ken- nedy, William, 778; Kitzerow, William, 936; Klimmer, Joseph F., 867; Knapp, Peter, 569; Kolberg, William, 637; Krum, John W. H., 76.	
—Lambert, Peter, 622; Leichtlin, Max, 500; Lesh, John R., 622; Lufkin, Everett C., 360.	
—Marback, John, 569; Marshall, Simeon, 457; McBean, James, 457; Mergen, Mrs. Peter, 936; Mulhearn, Thomas, 376; Mulli- gan, Thomas, 376; Munson, Prof. W. M., 457.	
—Nicola, Frank, 622.	
—Penhallow, David Pearce, 637.	
—Redford, George, *310; Rennie, Wm., 189; Reynolds, E. H., 189; Riley, Anthony, *751; Roach, William, 310.	
—Schramm, Bernard G., 23; Schul- theis, Emily D., 488; Sheehan, Mrs. D. H., 156; Sheppard, George H., 156; Sherburne, Frank S., 488; Small, Archibald, 867; Smith, Louis A., 60; Smith, Mrs. Nathan, 110; Smith, Mrs. William C., 831; Snow, Robert M., 722; Soupert, Jean, 189; Spil- lane, Daniel, 110; Stache, E. C., 936; Suzuki, Uhei, 906.	
—Tibbits, Henry F., 110; Tracy, H. A., 457.	
—Walt, Mrs. John, 537; Wheel- don, George R., 23; Whittier, Wm. Benjamin, *360; Wittbold, George, *457; Witterstaetter, Mrs. Richard, 500; Wood, Isaac C., 156.	
—Youngston, Alexander, 156.	
—Zellers, Joseph, 189.	
Observations by Leuthy.....	378
Old fashioned garden, An.....	87
Orchid as a commercial proposi- tion, The.....	46
Orchids certificated, New.....	666b
Orchid novelties in a London show.....	634
Orchids, profitable, for the cut flower market.....	201, 266
Osmanthus aquifolium.....	662

P

Pacific Coast and State Horti- cultural Societies, Exhibition of...	633
Parcels post, For.....	439
Pasadena Gardeners' Association Exhibition.....	734

Patents granted...62, 94, 126, 158, 256, 339, 490, 520, 558, 590, 686, 890.	
Pennock-Meehan Co.'s new move.	407
Pennsylvania Horticultural So- ciety.....	570, 666
Peonies, Tricky.....	497
Peony Eugene Verdier and Eu- genie Verdier.....	73
Peony Society, American.....	
—President's address.....	44
—Report of nomenclature com- mittee.....	45
Periodical, A new.....	568
Personal.....	18, 55, 83, 115, 137, 179, 221, 275, 318, 355, 387, 424, 439, 474, 506, 540, 569, 604, 635, 667, 711, 747, 772, 813, 889, 911, 947.
Philadelphia Florists' Club....	12, 74, 169, 374, 470, 503, 600, 636, 810.
Philadelphia:	
—Men and firms that have at- tained distinction. *Burpee's California seed farm. Some of the newer Cannas. Some new things in floral requisites...229, 242	
Philadelphia dahlia show.....	433
Philadelphia notes....	55, 87, 119, 157, 179, 238, 287, 323, 361, 387, 404, 439, 474, 515, 569, 604, 675, 720, 774, 813, 908, 936.
Philadelphia surprise, A.....	813
*Philpott, H. E.....	933
Phloxes, Among the.....	597
Phloxes, How to produce new....	542
Pittsburgh Florists' and Garden- ers' Club.....	407, 536, 904
Plants for apartments, Good.....	661
Plant Pathologist wanted.....	588
*Plant introductions, New, Dept. of Agriculture.....	107
*Platycodon grandiflorum.....	897
Poppies and Primroses.....	48
Practical information for florists.	667
Presentation, A.....	942
Publications received.....	28, 60, 126, 312, 412, 442, 573, 733, 779, 901, 935.

R

*Renanthera coccinea.....	807
Responsibility, A question of....	695
Retail Florists, Of interest to:	
—Steamer Departures.....	18, 50, 82, 114, 146, 178, 220, 282, 318, 350, 382, 414, 446, 478, 510, 546, 578, 610, 642, 674, 710, 746, 782, 830, 878, 910, 946.
—New Flower Stores.....	19, 50, 82, 147, 178, 283, 350, 382, 414, 446, 478, 511, 546, 578, 610, 642, 675, 711, 746, 782, 831, 879, 910, 946.
—Flowers by Telegraph....	19, 51, 83, 115, 147, 179, 221, 283, 319, 351, 383, 415, 447, 479, 511, 547, 579, 611, 643, 675, 711, 747, 783, 831, 879, 911, 947.
—Detroit.....	50
—Washington.....	50
—St. Louis.....	282
—International flower delivery...	221
—Beauty a drawback.....	350
—Notes.....	510
—A floral picture frame.....	*611
—The Doyle failure.....	642
—To curb the curbstone florists..	911
—Locating the trouble.....	*947
Rhine valley, The.....	531
Rhode Island Horticultural So- ciety.....	503, 700
*Rice silver anniversary, The....	703
Rochester Florists' Association.	105, 870
Rochester florists lead the way...	602
Rochester flower show. 664, *699, *700	

HORTICULTURE

	Page		Page
Rochester is busy.....	76	—An interesting event. Crop notes. A Boston move.....	576
Rochester notes.....	867	—The new league prices. The pea situation. French celery seed. California limas. Notes.....	608
Rochester, Transportation to.....	75	—Notes.....	640
Rose, A promising new.....	831	—About peas. Bean prices. Contract growing prices on peas. Notes.....	672
Roses at the Brussels exposition.....	165	—The Cannerns' troubles. The outlook for prices. Early orders advised. Notes.....	708
*Rose Conrad F. Meyer.....	37	—Notes.....	744
Rose exhibition, A French.....	73	—The Holmes' fire.....	780
Roses of the year, New.....	530	—A new seed house. Prices on future peas. Cannerns' peas. Retailers' topics. *Bolgiano & Sons' new warehouse.....	824
Roses in Great Britain and Germany, New.....	629	—Pea seed growers' difficulties. Cannerns well supplied. Notes.....	876
Rose novelties, commendable.....	133	—The Buist estate. Notes. Catalogues received.....	908
Rose, Prof. C. S. Sargent.....	97, 101	—“A bird,” found in the ginger jar. Obligations and limitations of the seed trade. North Dakota State Association of Seedsmen. The voice of the charmer.....	944
Rose show, An autumn.....	472	—Notes.....	943
Rose show at Klosterneuburg.....	372	Seed Trade Association, American:—Convention story continued. Report of committee on president's address. Thursday afternoon's session. A visit to Fordhook Farm and trial grounds.....	10
Rose show at Liegnitz, Silesia.....	136	Shaw banquet, The.....	139
Rose Society, American.....	105, 306, 468, 770, 933.	Shipment, A long distance.....	124
Rose Society, National.....	106	*Show, A great.....	435
Royal Horticultural Society.....	46, 74, 106, 255, 309, 437, 503, 536.	Shows at Antibes and Hyeres.....	7
Rust-proofing process, A simple.....	890	Silver wedding, A.....	500
S		*“Smith's Advance”.....	373
Sale, A notable.....	515	Society of American Florists.....	8, 41, 76, 106, 369, 636, 740, 771, 903.
San Diego Floral Association.....	609	—Preliminary program, twenty-sixth annual meeting and exhibition. The games and entertainment. The exhibition. Transportation.....	104
St. Louis Botanical Gardens, Chrysanthemum Show.....	704	—St. Louis at Rochester.....	105
St. Louis Florists' Club.....	105, 309, 406, 571, 702, 874.	—Special rates to Rochester. Headquarters. Dues. Proposed constitutional amendment. New state vice-presidents. Exhibition. Convention city preparations. Prospective attendance.....	138
St. Louis Horticultural Society.....	106, 699	—Those S. A. F. amendments. Transportation.....	170
St. Louis Ladies' Home Circle.....	74	—Department of registration.....	171
St. Louis notes.....	115, 221, 279, 404, 521, 569.	—*Officers and program.....	206, 207
St. Louis personals.....	23, 157	—*Glimpses of Rochester.....	209, 211
Scotti fern, The home of the.....	637	—Baltimore to the front.....	210
Seed business in America, Past, present and prospective.....	213	—Rochester Florists' Association. National Sweet Pea Society. American Carnation Society. American Gladiolus Society, *L. Merton Gage. Ladies' S. A. F.....	212
Seed Trade:—Seed pea crop. California seed crops. Wholesale grass seed dealers. Notes.....	16	—*George Asmus.....	261
—*Page, Erford L.....	48	—Opening session. President's address.....	269
—The seed pea crop. Corn and beans. Prospects in California, Wisconsin and Michigan. The Boston merger.....	80	—Secretary's report.....	271
—The production of vegetable seeds. Crop shortages. Notes.....	144	—Treasurer's report.....	272
—Improved seed cabinets. Vicissitudes of the season. Seed pea harvest. Openings. Notes.....	176	—The president's reception. Wednesday's sessions. Baltimore the next meeting place. Thursday's sessions. Election of officers. The exhibition.....	273
—Notes.....	218	—Ladies' S. A. F. convention notes.....	274
—Crop notes on corn. The pea pack. The bean crop. Cannerns' convention.....	280	—Convention story continued. The school garden improvement. Value of the experiment stations. Presentation to President Pierson.....	303
—Onion sets around Chicago. The three B's of the seed trade. Seed warehouse burned. Another one for Dr. Osler. Notes.....	316	—President Pierson's response. Final resolutions. Presentation to Supt. Chas. H. Vick. Awards	
—The onion seed crop. Peas. Corn. Beans. An active season coming. Notes.....	348		
—Dutch bulb notes.....	348		
—The Burpee establishment. Crop report from Hartmann & Co. Notes.....	380		
—“Malefactors of great wealth.” Window displays. Notes.....	412		
—Notes.....	413		
—The pea crop. Corn and beans. Vine seeds. Encouraging foreign reports. Potatoes short. Sweet peas. Notes.....	444		
—The seed crop outlook. *The Michell trial grounds. Notes.....	476		
—Discouraging estimates on peas and beans. Enormous losses to growers. Where is the favored land? Record prices. The aster seed crop.....	508		
—Agrostis stolonifera and canina. Grass seed crops. A new seed and flower house. Currie Bros. reorganize. Notes. Catalogues received.....	544		
		in trade exhibition. Florists' telegraph delivery section. *Bayersdorfer & Co.'s exhibit..	304
		—*Displays by Vick, Kroeschell, and Dreer. Parcels post. For greenhouses at Cornell. The Panama Exposition.....	305
		—The shooting contest. *Ladies on auto ride. Convention notes.....	306
		—*Model greenhouse.....	307
		—*Convention group. Reports of state vice-presidents of Maryland and Indiana.....	314, 315
		Spraying, Fall.....	255
		*Spring bedding.....	815
		*Spring bedding, tulips, pansies and daisies.....	1
		Springfield, O., Florists' Club.....	470, 571
		Stanhopea insignis.....	*561, 566
		Strawberry booklets, Free.....	501
		Strawberry plants, Pot grown, for summer planting.....	135
		*Subtropical bed, An effective.....	817
		Summer school at Kingston, R. I., Extended session of.....	92
		Sunken garden at Hartford, Conn.....	631
		Sunnybrook, The up-to-date at.....	504
		*Swanson's exhibit at Minneapolis show.....	771
		Sweet peas.....	815
		Sweet peas, An English list of.....	756
		*Sweet pea Florence Nightingale.....	341
		Sweet pea in Oregon, The.....	308
		Sweet pea show at Philadelphia.....	39
		Sweet Pea Society, National.....	40, 75, 136, 307
		Sweet peas, The Spencer type of.....	533
		Symplocos crataegoides.....	731
T		Tarrytown Horticultural Society.....	8, 665, 771
		Ten-Day Horticultural Institute.....	932
		Toad's useful appetite, The.....	329
		Toledo Florists' Club Exhibition.....	700
		*Tomato Watt's Wonder.....	863
		*Totty novelties, The.....	695
		Trans-Atlantic notes.....	69
		*Trollius.....	805
		Turin National Exhibition, 1911.....	933
U		*“Unaka”.....	571
		Utica Florists' Club exhibition.....	734
V		Vegetable Growers' Convention.....	255
		*View in Highland Park, Rochester, N. Y.....	161
		Vincent's annual festival, Messrs.....	412
		*Vincent Dahlia Show, The.....	501
		*Viola cornuta.....	765
W		Waban, Wafted from.....	934
		*Waretown visitors.....	45
		Washington, Florists' Club of.....	.74, 169, 570.
		Washington Show, The.....	470, 500, 634, 666a, *735.
		Washington notes.....	115, 605, 711
		Westerly, A peep at.....	736
		Wilson, E. H., News good and bad from.....	733
		—Further news from.....	901
		Wisconsin College and Station.....	742
		Wizard of the north, The.....	766
		Worcester County Horticultural Society.....	666b
Y		*Yokohama Nursery Co. Exhibit at the Japan-British exhibition.....	169
		Yonkers Horticultural Society.....	.9, 243, 408, 570, 704, 902.

HORTICULTURE

Vol. XII. JULY 2, 1910 No. 1



Photo by courtesy of A. T. Boddington

TULIPS, PANSIES AND DAISIES IN SPRING BEDDING

By Wm. Duckham, Madison, N. J.

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,**
and
Kindred Interests

Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00

U KNOW US!**SPECIAL****HEAVY WATER-PROOF CREPE PAPER****10 1=2c. per roll. Get in at once.**

Having just closed a contract for a very large quantity of the best quality Water-Proof Crepe Paper in all colors, we offer you a part of this lot, for immediate delivery, at \$105.00, per thousand rolls in lots of one thousand or over, F. O. B. Philadelphia.

This is Special and should advise your taking advantage of A GOOD THING.

TO-MORROW YOU WILL KNOW THAT YOU SHOULD HAVE BOUGHT OUR HEAVY WATER-PROOF CREPE PAPER TO-DAY.

Your order will receive our prompt and personal attention.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY**Importers—Manufacturers—Originators****1220 Race Street,****PHILADELPHIA, PA.***Ask for Samples.***NEPHROLEPIS**

BOSTONIENSIS. We have a splendid lot of large specimen plants in 12-in. pots, at from \$5.00 to \$7.50 each; 6-in. at 50c. each.

ELEGANTISSIMA IMPROVED. The finest of this type, never

reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in., 25c. each; 6-in., 50c. each; 8-in., \$1.00 each.

SUPERBISSIMA. Extra heavy plants, 4-in. pots, 25c. each; 6-in. 50c. each; 8-in., \$1.00 each.

BEDDING STOCK

	Per 100
Abutilon Savitzi, 2½-in. pots.....	\$4.00
Acalypha Musaica, 2½-in. pots.....	6.00
Ageratum, three sorts, 2½-in. pots.....	3.00
Alterantheras, three sorts, 2½-in. pots.....	3.00
Alyssum, Sweet, 2½-in. pots.....	3.00
Asters, assorted, 2½-in. pots.....	3.00
Cannas, finest sorts,—Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan,—strong plants, 3½-in. pots.....	6.00
Cobea scandens, 2½-in. pots.....	4.00
Coleus—Golden Bedder, Verschaffeltii, and assorted, 2½-in. pots.....	3.00

	Per 100
Crotons, assorted, 3½-in. pots.....	25.00
Geraniums—Dbl. assorted and Rose,—3½-in. pots.....	8.00
Geraniums—Mme. Sallerol, 2½-in. pots.....	5.00
Heliotrope, 2½-in. pots.....	3.00
Moonflower, 2½-in. pots.....	4.00
Nasturtiums, assorted, flue, 3-in. pots.....	4.00
Petunias, 2½-in. pots.....	4.00
Salvia splendens, 2½-in. pots.....	3.00
Vinca variegata, 3½-in. pots.....	8.00
Hydrangea Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, \$1.50 per dozen.	
Egg Plants, New York Improved.....	4.00

F. R. PIERSON CO. Tarrytown—Hudson
NEW YORK

ORCHIDS

Freshly imported in great variety,
arrived in fine condition.

*Write for information and prices.***LAGER & HURRELL, SUMMIT N. J.****ORCHIDS**

**Largest Importers, Exporters, Growers
and Hybridists in the World**

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

*In ordering goods please add "I saw
it in HORTICULTURE."*

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00.
In splendid season for strong growth and flowers the first season.
Cattleya Schroderae, C. Mendelli, C. gigas Sanderiana; Dendrobium thyrsiflorum, D. Phaenopsis, D. Cambridgeanum; Renanthera Inschooltiana.

Send for Prices now.

Successors to G. L. Freeman.

G. L. FREEMAN CO.
FALL RIVER, MASS.

ORCHIDS**Just Arrived in Fine Condition**

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. canabarina; Cattleya citrina Odontoglossum grande.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**

GERANIUMS

We are Headquarters. A Critical Inspection of Our Stock Invited

GOOD STANDARD VARIETIES, from 2 in. pots, \$2 per 100, \$18.50 per 1000;
from 3 in. pots, \$3 per 100, \$25 per 1000.

Let us book your order for next season. We have an immense stock ready

R. VINCENT, JR. & SONS CO., White Marsh, Md.

GARDENIAS

2½-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots, \$20.00 per 100.

CANNAS—Gladiator. Green foliage, yellow flower, spotted with red. Wyoming. Bronze foliage, red flower. Louisiana. Green foliage, red flower. Assorted Cannas. Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$8.00 per 100.

Asparagus Plumosus Seedlings, \$1.00 per 100, \$10.00 per 1000.

Asparagus Sprengeri Seedlings 50 cents per 100, \$5.00 per 1000.

SMILAX 2½-inch pots, \$2.50 per 100, \$20.00 per 1000.

A. N. PIERSON, Inc.
CROMWELL, CONN.

ORCHID PEAT

Osmunda Fibre

Either the black or brown grade, in chunks or handpicked, in bags or barrels, ready for the orchid grower.

LIVE SPHAGNUM MOSS, ROTTED or AZALEA PEAT, LEAF MOLD, BALED SPHAGNUM MOSS, all of fine quality.

The C. W. BROWNELL CO.
Walden, N. Y.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

In ordering goods please add "I saw it in HORTICULTURE."

CHRYSANTHEMUM CUTTINGS

The best cuttings that can be had, and at right prices.

Now booking orders for early delivery.

WHITE			YELLOW		
	Per 100	Per 1000		Per 100	Per 1000
Oct. Frost.....	\$2.00	\$15.00	Monrovia.....	\$2.00	\$15.00
Touset.....	2.00	15.00	Oct. Sunshine ...	2.00	15.00
Wanamaker.....	2.00	15.00	Appleton.....	2.00	15.00
White Cloud.....	2.00	15.00	Y. Eaton.....	2.50	20.00
PINK					
Balfour.....	2.00	15.00	Halliday.....	2.00	15.00

Carnation cuttings in best varieties, also, BEACON one of our best.

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

CHRYSANTHEMUMS

Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application or our selection.

\$3.00 per 100. \$25.00 per 1000. 25 at 100 rate. 250 at 1000 rate.

ELMER D. SMITH & CO., - - **Adrian, Mich.**

GLADIOLI

Brenchleyensis, Ceres, May, Pactole, Isaac Buchanan, La Marck, White and Light, Yellow and Orange, &c.

Lilies, Iris, Delphinium formosum, Callas, Hyacinthus, Cooperias, Chlidanthus, Amaryllis and other summer flowering bulbs.

Send for prices.

E. S. MILLER Wading River
L. I., N. Y.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots,....\$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors,.....\$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton.

Rooted Cuttings, \$2.00 per 100; \$15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordil, Dr. Enguehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Bolman, Ivory, Jennie Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnafon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton.

Rooted Cuttings, \$1.50 per 100; 2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

WOOD BROTHERS

FISHKILL, N. Y.

CANES

FOR YOUR

MUMS

\$7.00 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

ALTERNANTHERA JEWEL

We can still supply first class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of \$1.50 per dozen, \$10.00 per hundred.

GARDENIAS

We can quote you in any quantity, 3 in., \$18.00 per hundred, 2 1-2 in., \$12.00 per hundred.

Getting down on 'Mums, but still have a few thousand at \$25.00 per thousand.

Charles H. Totty
Madison, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Pot Grown Strawberry Plants

We shall have about 50,000 pot grown Strawberry Plants ready to ship during July. These are strong well rooted plants and if you are setting plants this season it will pay you to look these up before purchasing elsewhere. Remember that in buying from us you get plants direct from grower to consumer. No middle man.

Send for our price list

WILFRID WHEELER,
Tel. 154-3 Concord, Mass.

ROSES

Pink Killarney, 3 in., \$6.00 per 100; \$55.00 per 1,000.
Am. Beauty, 3 in., \$8.00 per 100; \$75.00 per 1,000.
Am. Beauty, 3½ in., \$9.00 per 100.
Bridesmaid, 3 in., \$4.00 per 100; \$35.00 per 1,000. All fine stock.

Cash With Order Unless Known

L. B. CODDINGTON, Murry Hill, N. J.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES!

Send for our list of own-root two-year-old Roses in all the leading Teas, Hybrid Teas and Hybrid Perpetuals, strong two-year-old plants, just the kind for benching or for planting in the open ground. Our list includes the choicest sorts and the prices are low. Write To-day.

THE DINGEE & CONARD CO.
West Grove, Pa.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

British Horticulture

THE TEMPLE SHOW

In brilliant weather the premier show of the year has been held in the historic Temple Gardens in London. The Royal Horticultural Society achieve another success, affording a splendid object lesson of the high pitch to which British horticulture has reached. The foreign visitors were liberal in their eulogies. There is only one fault at the Temple Gardens; the restricted space prevents sufficient room being afforded the various exhibits, and consequently the best effects are not obtained in the floral arrangements. The Society is so grateful to secure such an ideal site for the show—practically in the heart of London—that this drawback is readily overlooked. The Temple show is usually distinguished for the dazzling array of summer costumes worn by the fashionable visitors to rival the floral wealth of color, but on this occasion the sombre note, due to the national mourning, proved a striking contrast to previous seasons' experiences. Orchids, of course, made a magnificent display. The ornate collection filling one of the large marquees was worth many thousands of pounds, and included some of the finest examples from the houses of the leading orchidists in the country. The fine show of orchids belonging to Sir Jeremiah Colman, of Gatton Park, Surrey, secured the Sherwood Cup.

There were many new introductions which were the objects of admiration, and, in some cases, friendly criticism. Messrs. Waterer & Sons, of Bagshot, have added two meritorious rhododendrons to their comprehensive collection. These were Alice, a seedling from the famous Pink Pearl, with grand trusses of rose pink blooms, and Juliana, of a pleasing flesh pink tint. Each received an award of merit. Honors were accorded to two roses—Duchess of Westminster, a H. T. of pink and flesh pink shading, and Excelsa, a Wichuraiana, of a crimson-cerise shade. These were respectively shown by A. Dickson & Sons, and Paul & Son. Blackmore & Langdon, begonia specialists, have excelled their previous achievements in Rose Queen; alike in form and color the bloom is unrivalled. This richly merited the special award. Other novelties receiving awards were *Rhus typhina laciniata*, *Sarracenia Willmottae*, Marguerite Mrs. F. Sander, *Cytisus Dallimorei*, and *Azalea Floradora*. The out-door displays were of a varied and interesting character. A continuous stream of visitors percolated through the quaint Japanese garden, formed by Messrs. Carter & Co., in a shady enclosure. There were also several excellent rock gardens. Amongst these was a capital display of Alpines, shown by M. H. Correvon, Chene-Bourg, Geneva. This exhibit, and some from Belgium, gave the show an international interest.

STRENGTH IN UNITY

The opinion at one time prevailed that it was impossible to bring the working gardeners together in one useful combination. This has been falsified by the progress of events in the last few years. During the Temple show week the annual meeting was held of the British Gardeners' Association, which has passed through the perils of its embryonic stages and has reached the sixth year. There are now about 1900 members, residing in various parts of the United Kingdom. The Association publishes a monthly organ, which has been the means of disseminating valuable informa-

tion amongst the British gardeners. The Association is divided into branches, and the majority of these are doing praise-worthy work in the interests of the members. It is only right that this feeling of comradeship should exist amongst the members of the craft. The late Dean Hole, in one of his chatty books, points out that the apron of the gardener, like the apron of the freemason, not only means honest work, but brotherhood. "Wherever I have been," the Dean added, "with rare exceptions, I have found in him a brother." This net-work of organizations cannot fail to be advantageous in stimulating this brotherly feeling, besides enlarging the outlook of the workers by the various discussions which take place at the meetings. The Association has certainly made a start on the right lines.

THE REIGN OF THE RHODODENDRON

John Waterer & Sons have excelled themselves in their annual show of rhododendrons in the grounds of the Royal Botanic Society, Regent's Park, London. The brilliant array of blooms, as in former years, is arranged on undulating ground under an immense marquee, and has been on view during the whole of June. The display has attracted a large number of visitors, who have admired the splendid quality of the plants, and the artistic grouping of the colors, resembling from the distant view a gorgeous carpet of flowers. These annual object lessons of the value of the rhododendrons for making a bold display should further popularize its culture in this country. Amongst the newer ones is Alice, somewhat after the style of Pink Pearl, but totally distinct. Others noted were: Cynthia, rosy crimson; Delicatissimum, white, tinted pink; Gloriosum, blush-white; Frederick Waterer, crimson, with grand foliage; Queen, spotless white; Mrs. Holford, salmon-crimson; Minnie, bluish white, with blotch of orange spots; Michael Waterer, scarlet-crimson; Marquis of Waterford, pink, lighter in the centre; Lady Clementine Walsh, light tint, edge with pink.

ITEMS OF INTEREST

According to a Board of Agriculture leaflet, recently issued, daffodil cultivation, in spite of the excessively low prices realized this last season, is deserving increased attention from growers.—Amongst the portraits exhibited this season at the Royal Academy in London is one of Mr. Wm. Kelway, senior partner of the firm of Messrs. Kelway & Son of Langport.—An outbreak of American gooseberry mildew has occurred in Norfolk. The Board of Agriculture advise the spraying of bushes affected with a solution of sulphur 1 pound to 32 gallons of water.—The Council of the National Rose Society presented an address of condolence to the Queen-Mother, who for many years has been a Royal patroness of the Society, and has taken a keen interest in the annual shows.—To the elaborate array of books on the "Queen of flowers" is about to be added an artistic work by Miss Willmott, entitled: "The Roses of the Old and New Worlds." The illustrations are supplied by Mr. Alfred Parsons, A. R. A. The edition will be limited to 1,000 copies.—Sir Jeremiah Colman, a noted amateur, presided at the annual festival of the Royal Gardeners' Orphan Fund. It was announced that 127 children are at present receiving the benefit of the fund, the amount expended for this purpose last year being £1,716.

W. H. Adsett,

HORTICULTURE

VOL. XII

JULY 2, 1910

NO. 1

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Tulips, Pansies and Daisies in Spring Bedding by Wm. Duckham, Madison, N. J.	
BRITISH HORTICULTURE—W. H. Adsett.....	5
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Hollyhocks, Housing the Carnation, Ivies, Nepenthes, Primulas, Oncidiums—John J. M. Farrell.	7
SHOWS AT ANTIBES AND HYERES—F. Moore.....	7
CLUBS AND SOCIETIES:	
Newport Horticultural Society, Illustrated—Morris Co. Gardeners' and Florists' Society—Society of American Florists—Tarrytown Horticultural Society.....	8
Connecticut Horticultural Society—Yonkers Horticultural Society—American Carnation Society.....	9
Elberon Horticultural Society—Florists' Club of Philadelphia	12
Massachusetts Horticultural Society.....	13
AMERICAN SEED TRADE ASSOCIATION:	
Convention Story Continued—Report of Committee on President's Address—Thursday Afternoon's Session—A Visit to Fordhook Farm and Trial Grounds.....	10
DURING RECESS:	
The Opening Frolic at Waretown—New York Florists' Club Outing—New York and New Jersey Association of Plant Growers.....	12
THE FREEZE IN IOWA—L. H. Pammell—Illustrated..	13
SEED TRADE:	
Seed Pea Crop—California Seed Crops—Wholesale Grass Seed Dealers—Notes.....	16
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures.....	18
Flowers By Telegraph—New Flower Stores.....	19
FLOWER MARKET REPORTS:	
Boston, Chicago, Detroit, Philadelphia.....	21
New York.....	23
OBITUARY:	
George R. Wheeldon—M. D. Jones—Bernard G. Schramm	23
MISCELLANEOUS:	
Heating System Installed at Cornell—Illustrated.....	11
News Notes.....	15-19-23-29
Catalogues Received	16
Personal	18
Chicago Notes	19
St. Louis Personals.....	23
Publications Received	28
Greenhouses Building or Contemplated.....	30

Yet, it has been a year of fair returns to those who have toiled persistently and wisely. The man who is most disappointed over the outcome will be found invariably to be the one who held to old ways of doing things and is obdurate to everything suggesting progress. To those so bent nothing seems quite right and the future looks forlorn. The remedy is obvious and it will effect a cure, everytime.

A hint
to the peony
dealer

Possibly there is no single item in the entire list of nurserymen's offerings that gives less satisfaction to the impatient buyer than the peony, and none that is more liable to bring the dealer

and the variety into bad repute. Mr. Shaylor, whose work in the peony field was the subject of an article in our issue of last week, dwelt particularly on the fact that frequently varieties which when well established under favorable conditions are grand in all respects are liable to throw, for several years after transplanting, a scanty crop of single or semi-double flowers, and the nurseryman is liable to be unjustly criticised by customers who are not aware of this fact. Men like Mr. Shaylor, who understand the behavior of the peony, look complacently on its vagaries and are willing to wait patiently until a new variety has had time to get established before passing judgment on its merits or demerits. The public needs a little education in this respect and Mr. Shaylor thinks that the dealer should, in justice to himself and his goods, see that they get it.

The seedsman
and the public

Considerable space in our columns for the past two weeks has been devoted to matters connected with the seed trade and the proceedings of the

American Seed Trade Association. As the president of the Association truly said in his address at the opening of the Convention at Atlantic City, the public eye has of late been on the seed trade in a degree hitherto unknown and the seedsman has been brought to a realization of that fact in a manner frequently abrupt and decidedly uncomfortable. It is well, then, that the wise men of the seed trade should take a philosophical stand and meet the authorities who are called upon to act for the public in what is believed to be a conservation of their interests and show them that the seed trade has nothing to be ashamed of, nothing in which it need take a position in the defensive, nothing which it is unwilling to discuss from the standpoint of fair dealing and justice to all concerned, and no disposition to shield the individual who has done wrong or to oppose reasonable legislation calculated to eliminate wrong doing. Respect for the seed trade is bound to come from a persistence in the frank and dignified policy advocated by President Robinson and endorsed by his Association. "Pure seed" legislation is "a condition and not a theory," and the acceptance of the situation and disposition to aid rather than hamper and oppose such by the seedsmen's national organization will, we hope, result finally in legislation that will not only protect the public but protect the seedsman, too.

Low tide

Now is the time when our columns devoted to the doings of the craft "during recess" are likely to be well filled up. It has been a strenuous year in many respects since the call from work to recreation was last heard. Few, perhaps none, have quite realized the prosperity which they confidently looked for at the opening of the season which now comes to a close. Many conflicting conditions have been forced upon us which could not be foreseen and, as has been the universal experience since the world began, full fruition of our sanguine hopes has been withheld.

We regret to announce that Mr. Rehder will be out of town for a few days and will be unable to furnish his usual notes from the Arnold Arboretum this week or possibly next. He will resume regular contributions on his return.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Hollyhocks.

There are very few old-fashioned flowers capable of being used with better effect than the varieties of *Althæa rosea*, both single and double. Florists are often asked for something to break up formal lines in shrubbery, hiding untidy corners, or for the purpose of forming a background for smaller growing plants, and for all this work the hollyhock is invaluable. Sow now and you will have better stock than from those sown in August. Procure a good strain of seed in colors—crimson, pink, white, yellow, etc. They can be sown in flats or cold frame and when large enough transplant 5 or 6 inches apart where they can be protected with sash for about four months of winter weather. If you have room they can be pricked out in flats and then potted up in 2½-inch pots and by the end of September they can be shifted into 4-inch pots. Keep them plunged out in a cold frame till the weather gets very cold, then winter in the coolest house you have, and by spring you will have good stock. Look out and spray with ammoniacal solution for disease.

Housing the Carnation.

From now up to August 15, is considered a good time to plant carnations, but later than this date is sure to be a loss to the next season's crop of flowers. Do not delay any longer than necessary. You cannot be too thorough as to house cleaning. When the soil has been removed, sweep and wash the bench thoroughly. If there is any painting or repairing to be done then is the time to attend to it. Make provision for a good whitewashing for the inside of the benches as it acts as a disinfectant, destroyer of disease germs and a preserver of wood as well. The plants should be in a semi-hardened condition, which will be after a week or two of bright dry weather. If you have had abundant rains lately don't be in a hurry about housing the plants, but wait for a dry spell. A good shading on your house of some material that with a couple of rains will wash off makes it better for man and plant. The plants should be kept covered closely so as to protect them from sun and wind until they are planted. When watering apply only just around the plants until the roots are well through the soil, when the whole bed can be watered. Syringe on all favorable occasions.

Ivies.

English ivy will be found very useful for vases, veranda-boxes and baskets. Plants in 3 or 4-inch pots by next spring will be in demand. Now is the time to make a start to increase stock. Planted out from 2-inch pots now, about 6 inches apart, and grown on until October they can be lifted and potted into 3 or 4-inch pots. They may be wintered under any bench of a cool house. This is also a good time to grow some vincas for next spring's trade, as there is an increasing demand for good strong plants. Two and a half-inch stock may be planted out now in good rich soil until it becomes necessary to remove them to the greenhouse, when you can pot

some into 4-inch pots; the others you can divide up so as to get them into 2½-inch pots. The tops can be cut off to within 4 inches of the pots. They like a cool light house and by February can be shifted into 3 or 4-inch and given a place on the edge of a bench where they can grow naturally and if occasionally given some manure water they will increase their growth wonderfully.

Nepenthes.

If you have any nepenthes that have become too large or unsightly you can cut them down. Single eyes make the best plants. A good way to root is to take single-eyed cuttings, put the end into the hole at the base of a thumb pot, then fill the pot with sphagnum moss and set the pots in a propagating frame. When the cuttings are well-rooted the pots can be broken and the plants put in a crib and hung up in a warm moist house where they will get well established. They can also be propagated with cuttings of 3 or 4 eyes placed in some sand and kept moist and in about four weeks they will root. An atmosphere fairly reeking with moisture is what they like.

Primulas.

The various species that were sown in May should now be looked after and pricked or potted as they may require. When they have made leaves about an inch long they are just right for 2 or 2½-inch pots. A good compost to use, is two parts loam, one part sifted cow manure, one part leaf-mold and some sand, so as to make a good open soil. Place them in a frame during the summer, raising the sash back and front, for they like plenty of air. See that the glass is well shaded and keep them as near the glass as possible. By September they should be in their flowering size. A 4 or 5-inch pot makes a good salable size. Seed sown now will make fine flowering plants by next spring.

Oncidiums.

An extensive genus of epiphytal orchids including many fine and showy flowering species. They are used a good deal for decorations on account of their graceful sprays. The majority of them are easily managed. Most oncidiums can be grown in a cattleya house where they can be suspended near the glass, for in this they delight. In their growing season, which is now with some of the varieties, they like plenty of water at their roots, and lots of moisture in the atmosphere. They grow best in baskets or perforated pots with good drainage of clean potsherds and some broken charcoal, with a liberal top dressing of live sphagnum or fibrous peat. When the top dressing becomes decayed and sour it should be removed and replaced by fresh material. When they are resting, water very carefully, but never allow them to suffer for the want of it. Most oncidiums are subject to scale. They should be kept free from these pests, for they would soon ruin the plants. These are some good ones to grow:—*Oncidium concolor*, *O. cheiroporum*, *O. crispum*, *O. incurvum* and *O. varicosum* Rogersi.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following. Asters, Cyclamens, Freesias, Mignonette, Painting Inside, Pot Roses for Flowering.

SHOWS AT ANTIBES AND HYERES.

The craze for exhibitions is excessive this year, and this time it is raging on the Riviera. Each little town will have its show of flowers, plants and vegetables. But then, gardening on the Riviera is not so widely extended and so varied that material can be found for three or more shows, even if at the various localities a general participation took place. In Nizza and Antibes, and more particular at Hyeres there were missing a whole series of large, and capable firms of the place and the vicinity. Nevertheless, under the circumstances the shows were well furnished, and many new, fine, and interesting objects were exhibited. At Nizza the dominant features were objects of the florists' art, pot plants, and exhibits from private gardens; and it was noticed how vigorously plants well known in gardens, grew under the prevailing climatic conditions of the neighborhood. Before them all, the most beautiful were the stove plants. As will be readily understood cut flowers, such as carnations, roses and stocks were noted in abundance, but in regard to the number of the exhibitors and the varieties shown, these were far fewer than at Antibes; this last being a cut flower show in the full sense of the word, a show which proved Antibes as being the centre of the cut flower culture of the Riviera, and this culture at its best.

The exhibition at Hyeres took the name "Exposition Internationale," but in vain was the search in the list of exhibitors, and in the show itself one looked in vain for the name of any foreign exhibitor. There was remarked beds in the exhibition tent at the first named place—one bed near the entrance filled with fine, blue cinerarias, similar in size and of one color. It came from M. A. Bonfils pere, and showed to what degree of perfection the cineraria can be grown. Not less fine were the standard Hortensias (*Hydrangeas*) from the same firm. The arrangements were far too massive and a rest for the eye was lacking—something green between. A desirable change was afforded by a bed of cyclamens with an edging of *Tropaeolum tricolor*, a combination charming and worth copying.

Director Villebenoit, "Villa La Victorine," showed a series of crosses of American varieties with local carnations of the perpetual flowering types. Although in the form of the flowers of these crosses the American type is not very evident, still the signs of American blood cannot be denied. Certainly there is here the beginning of a series of forms which may lead to some desirable type of carnation in the future.

Freesia hybrida Raggionieril put into commerce by M. Bruggemann, Villefranche, is a charming novelty which well deserved the *Medaille d'or* awarded the exhibitor. It has tender colors of gold and violet, and is a much wanted flower for cutting purposes, and as a pretty contrast to the much employed carnations, peas and stocks.

F. MOORE.

CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

The Rose and Strawberry Show of this Society was held June 23 and 24, and these dates proved to be about right for roses but a trifle late for best strawberries, although several dishes of excellent berries were shown. A few of the best exhibitors of last year were prevented for various reasons from showing this time, so the quantity of exhibits were not equal to previous years, but quality, the thing most desired, was probably never excelled. There was only one exhibit in the class for group of plants; this was formed in tower shape with Kentias edged with Farleyense ferns with a very pretty arrangement of Gloxinias and other flowering plants forming the recess; the exhibitor was August Belmont, gardener John A. Forbes. In the class for decorative foliage plants each to be serviceable for a table, Mrs. T. O. Richardson, J. Robertson gardener, was first with John A. Forbes a close second. R. F. Beechman, gardener John B. Urquhart, was first in two classes of specimen palms, his large Kentia being one of the most perfect specimens ever shown here. He was also first with American Beauty roses, vase of H. T. roses, Frau Karl Deuschki and specimen fern.

The prize of \$25 offered by Mrs. R. Golet for best vase of outdoor roses, 50 per cent. to count for roses and 50 per cent. for arrangement, was won by A. J. Dorward, gardener for Mrs. T. J. Emery. C. M. Bugholt and John A. Forbes also made worthy exhibits in this class. Mr. Dorward was also first in the following classes and was the most successful exhibitor: Display of outdoor roses, basket of roses, herbaceous flowers, beach grapes, white grapes, cucumbers, several classes of strawberries and collection of vegetables. The collection of outdoor roses by Newport County gardeners is one of the most important classes and was won by Hugh Williamson, gardener for W. W. Astor, with C. M. Bugholt, gardener for Miss Fanny Foster, a close second. The honors in other classes of roses were divided between Colin Robertson, gardener for Mrs. R. Golet; John A. Forbes, C. M. Bugholt, Paul Valquardson and James Robertson, with C. Robertson in the lead.

The prize of \$25 offered by Mrs. Golet for best vase of carnations, 50 per cent. for flowers and 50 per cent. for arrangement, was won by Stewart Ritchie with Pink Enchantress. A collection of over 200 named varieties of hardy herbaceous flowers represented well that class. The exhibitor was John Mahan, gardener for H. D. Auchincloss. The prize for basket of roses by gardeners' assistants was well contested and Hugh Meikle at the H. M. Brooks estate was first. Adolt France, at the A. Belmont estate, second. Oscar Schultz had the only exhibit of orchids, cattleyas, some of them very fine. Samuel Speers and John Baumgarten also made noteworthy exhibits.

The only silver medal awarded goes to Mrs. W. G. Weld, gardener Paul Valquardson, for a gorgeous exhibit of Begonia hertini. This is a very striking orange scarlet of graceful drooping

habit. The same exhibitor had also a collection of fringed tuberous begonias. Julius Roehrs Co. staged a collection of cut orchids which were much admired and awarded a certificate of merit. Certificates of merit were also awarded to Alex. MacLellan and J. Robertson for seedling delphiniums.

The judges, who gave good satisfaction, were John T. Allan, John Mahan, William Mackay, Alex. MacLellan, Bruce Butterson and John A. Forbes.

The attendance of visitors showed that the society has not yet so problem of how to secure an attendance.

J. R.

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

The Morris County Gardeners' and Florists' Society gathered in full force June 18th to hear John E. Lager lecture on the culture of orchids. Many others of New Jersey's famous orchid men were there too. Mr. Lager spoke extemporaneously. His familiarity with the subject makes it a second nature with him. After dwelling on culture long enough for his hearers to get a good idea of how to pot and handle these things, shading, feeding and kinds of structure needed, were gone into in detail. While there were many expert growers listening, the vast majority were novices, and were intensely interested and, much to Mr. Lager's satisfaction, many questions were asked. Mr. Lager stated that he visited a place sometime ago where some cattleyas were grown by a man who did not pretend to know anything about orchid culture and, to tell the truth, he said they were the finest little lot of plants in flower that he ever saw. The man said he let them have their own way but, as Mr. Lager said, it was the right way. Mr. Lager recommended judicious feeding; great caution should be taken in this regard.

Committee on Fall Flower Show reported progress. Arthur Herrington was elected by acclamation manager for this big undertaking. It was thought wise to have an executive head as early as this time to lay plans, take measurements, solicit exhibits, etc. Mr. Herrington is pre-eminently fitted for such an undertaking. He has the taste, the executive ability, and the push. His present calling—horticultural architect—keeps him much of the time away from home, but November may carry him ahead far enough to devote a few days to the show exclusively. Robt. M. Schultz is working on this end of the line. Many of the members are going with the New York Florists' Club on their annual outing June 28. As has been customary for some years, an adjournment was taken to Sept. 14th next.

E. R.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Rose, "Red Killarney," by A. N. Pierson, Inc., of Cromwell, Connecticut, becomes complete.

H. B. DORNER, Secretary.

June 23, 1910.

TARRYTOWN HORTICULTURAL SOCIETY.

The annual rose and strawberry exhibition of the Tarrytown (N. Y.) Horticultural Society was held in the Young Men's Lyceum on Tuesday afternoon and evening, June 14th. The exhibition was the finest the Society has ever held. On account of the unusual amount of wet weather, there was available a remarkably fine lot of roses, fruits and vegetables. Frau Karl Druschki rose was in elegant shape. F. R. Pierson Co. made a very fine exhibit, consisting of palms, peonies, climbing roses and sprays of mountain laurel. Scott Brothers had a fine display of peonies and roses, and Miss Blanche Potter and Mrs. J. B. Trevor fine exhibits of sweet peas.

A cultural certificate was awarded Mrs. J. B. Trevor, gardener Howard Nichols, for Sharpless strawberries. Certificates of merit were awarded Mrs. Trevor for a new seedling climbing rose, Glen View, to the Park Department of White Plains for a collection of Rugosa roses, and to H. Darlington for chrysanthemum "Pride of Seven Oaks." A variegated rose exhibited by Miss Blanche Potter attracted considerable attention. Ferdinand Hermann received honorable mention for an exhibit of Magnolia macrophylla, roses, etc., Joseph Eastman for campanulas, and Richard Livingston for cherries. The other awards were as follows:

Class 1. Best collection of flowers cut from hardy perennials, Miss Blanche Potter, gardener, Geo. Wittlinger; E. H. Weatherbee, gardener, Frank Milne, special prize. Class 2. Best three quarts strawberries, three varieties, Joseph Eastman, gardener, Robt. Angus. Class 3. Best two quarts of strawberries, two varieties, Joseph Eastman. Class 4. Best quart of strawberries, any one variety, Joseph Eastman. Class 5. Best quart of strawberries, Marshall, Joseph Eastman. Class 6. Best quart of strawberries, for amateurs only, Richard Livingston. Class 7. Best vase of 25 blooms of roses, Gen. E. A. McAlpin, gardener, John Woodcock. Class 8. Best collection of outdoor roses, Gen. E. A. McAlpin; Mrs. Hicks Arnold, gardener, Wm. Grierson, special prize. Class 9. Best six varieties of outdoor roses, six each, Gen. E. A. McAlpin. Class 10. Best three varieties of outdoor roses, six each, Mrs. J. B. Trevor. Class 11. Best twelve outdoor roses, any one variety, Mrs. Henry Siegel, gardener, Thomas Aitchison. Class 12. Best vase of roses, Mr. H. Darlington, gardener, P. W. Popp. Class 13. Best display of outdoor climbing roses, Mrs. J. B. Trevor. Class 14. Best twelve roses Frau Karl Druschki, Mrs. Henry Siegel. Class 15. Best collection sweet peas, Mrs. J. B. Trevor; special prize to Miss Blanche Potter, also cultural certificate. Class 16. Best collection twelve varieties vegetables, Mrs. J. B. Trevor. Class 17. Best collection six varieties of vegetables, six species, Mr. Joseph Eastman. Class 18. Best display of antirrhinums, Mrs. J. E. Archbold. Class 19. Best vase of roses, for amateurs only, Mr. C. H. Tibbits. Class 20. Bouquet wild flowers, 1st, Annie Gibson; 2nd, Margaret Gibson. Class 22. Best 24 blooms Hybrid Teas or Teas, grown out-of-doors, not less than 12 varieties, Gen. E. A. McAlpin. Class 23. Collection of wild flowers, 1st, Ethel F. Lee; 2nd, Carolyn Rosenstein; 3rd, Harold Neubrand; 4th, Agnes Hughes. Class 24. Best collection of flowers cut from hardy, E. H. Weatherbee. Class 25. Best collection of greenhouse-grown fruit, Miss Blanche Potter. Class 26. Best collection of strawberries not exceeding eight varieties, 12 of each, Joseph Eastman.



NEWPORT HORTICULTURAL SOCIETY
Prize Winning Group by John A. Forbes.

YONKERS HORTICULTURAL SOCIETY.

The first annual June show of this Society was held on June 17th, in the hall of Hollywood Inn. The exhibits were very attractively arranged. Roses, orchids, sweet peas, peonies, flowering and foliage plants and herbaceous flowers were the floral display. Strawberries and vegetables were very fine. It was a great success and the Society has hopes of making even a greater success of the fall show, which is to be held the first of November. During the evening Butler's orchestra added much to the enjoyment of the visitors by their fine music. The judging was done by Robert Angus of Tarrytown, James Stuart and Thomas Aitchison of Mamaroneck. Following is the schedule and prizes as awarded, first and second, respectively, as recorded:

Group of foliage plants to cover 75 sq. ft., prizes donated by the Yonkers Nursery Co.—S. P. Lillenthal Estate, H. Scott, gdr.; D. E. Oppenheimer Estate, J. Goff, gdr. Twelve hardy roses, three varieties, prizes donated by Thompson & Brown—Gen. McAlpin, J. Woodcock, gdr.; Adolph Lewisohn, J. Canning, gdr. Six hardy roses, two varieties, prizes donated by H. L. Twine—Lillenthal Estate, Joseph Butler, R. E. Priene. Twelve roses, one variety, prizes donated by Mr. Randolph—Gen. McAlpin; Mrs. T. W. Wheeler, H. Wells, gdr. Collection of hardy roses in not less than twelve varieties, prizes donated by R. Cummings and one other member—Gen. McAlpin (80 varieties); Mrs. J. B. Trevor, H. Nichols, gdr. Collection of sweet peas in six varieties 25 sprays of each, prizes donated by Milton Peck and Gideon Peck. Mrs. J. B. Trevor. Three varieties of sweet peas, 50 sprays of each, prizes donated by the Yonkers Decorating Co.—Mrs. J. B. Trevor. Vase of sweet peas to contain 150 sprays, prizes donated by Wm. Kay and Arthur Keene—Mrs. J. B. Trevor. Collection of herbaceous flowers, prizes donated by H. Blauch—Wm. Hebach. Collection of flowering shrubs, prizes donated by Lee Whitman—Mrs. T. W. Wheeler, H. Wells, gdr. Three varieties of peonies, 6 of each, prizes donated by Mr. Taylor—Adolph Lewisohn. Quart of strawberries, prizes donated by W. H. Waite—Lillenthal Estate; Mrs. A. C. Ewing; R. Cochrane, gdr. Two quarts strawberries in two varieties, prizes donated by L. K. Wood—Adolph Lewisohn; Mrs. A. C. Ewing. Three quarts straw-

berries in three varieties, prizes donated by Hudson Fuel Co. and C. T. Thompson—Lillenthal Estate. Six varieties of vegetables, prizes donated by Mrs. Harrigan—Mrs. J. B. Trevor; Mrs. T. W. Wheeler, H. Wells, gdr. Cauliflower, prizes donated by Peter MacDonald—Mrs. A. C. Ewing; Mrs. T. W. Wheeler. Cabbage, prizes donated by MacKenzie Bros. and Peter MacDonald—Mrs. J. B. Trevor. Lettuce, prizes donated by L. H. Higgins and Peter MacDonald—Adolph Lewisohn; Mrs. A. C. Ewing. Specials were awarded as follows: Julius Roehrs Co., Rutherford, N. J., display of orchids. Scott Bros., Elmford, display of roses. Yonkers Nursery Co. group of palms, cut flowers and flowering plants. Peter MacDonald, center piece and graduation basket. Mellio, wedding decoration of palms and roses; this occupied the entire stage and was one of the best specials. Cochrane Estate, R. Cummings, gdr., display of foliage and flowering plants. W. Hebach, collection of cut annuals and roses.

LEE WHITMAN, Cor. Sec.

AMERICAN CARNATION SOCIETY.

Registration of New Carnation by F. Dorner & Sons Co., Lafayette, Ind. Gloriosa (No. 42, '06), cross between two numbered seedlings. A magnificent shade of pure light pink. Growth is a true commercial type. Early and continuous flowering. Excellent stem and calyx; has a working habit that produces quantities of blooms without a break. Size, 3¼ inches and over.

White Wonder. White Perfection seedling under number. Pure white. Size, 3½ inches and over. Has all the White Perfection qualities improved; larger flower, stronger stem, stronger growth. Makes nearly double the size of plant in the same length of time, thereby greatly increasing its productiveness. A. F. J. BAUR, Sec'y.

The annual meeting of the Cincinnati Florists' Society will be held at the greenhouse establishment of Gus Adrian, Wood avenue, Clifton, Monday July 11th, 3 P. M. Election of officers will take place at this meeting. After the meeting the Society will be the guests of Mr. and Mrs. Gus Adrian which assure a good time for all those who attend.

CONNECTICUT HORTICULTURAL SOCIETY.

Hardy Rose Night was observed by our society on the 24th of June; and several tables were necessary to hold the profusion of rose blooms exhibited by President John F. Huss, from the Goodwin estate, Hartford; by Alex. Cumming, Jr., head gardener at Elizabeth Park, Hartford; and by W. S. Mason, of Farmington, gardener for the Pope estate.

Many beautiful new and old roses were included in the collection. Every known color was represented; though the specimens of the new "blue" rose, as shown by Mr. Huss, are hardly worthy of being called blue, as he thought; that color being so little in fact. Under the electric light, scarcely a trace was discernible. In daylight, Mr. Huss said, it has a slight cast of blue; but it will hardly be popularized as a blue type.

The judges, Messrs. Clarence H. Wiley, John Gerard, and J. A. Weber, reported their recommendation of awards as follows: Mr. Cumming, 95 points; Mr. Huss, 90 points; Mr. Mason, 85 points.

Mr. Gerard exhibited a vase of handsome Japanese iris blooms, grown from seed.

A leading feature of the evening's entertainment was an able and instructive paper by Mr. Cumming, on the subject of roses, covering descriptions of the various types, information as to the culture of roses, and how to successfully combat their insect and fungous enemies. As showing the speaker's opinion regarding the most valuable varieties, in several classes, he mentioned the following:

Hybrid perpetual. Crimson shades, Fisher Holmes, Jubilee, Prince Camille de Rohan, General Jacqueminot, Louis Van Houtte; red shades, Tom Wood, Ulrich Brunner, Alfred Colomb, Earl of Dufferin; pink shades, Mrs. John Laing, Baroness Rothschild, Mrs. R. G. Sharman Crawford, Her Majesty, Paul Neyron, Madame Gabriel Luizet; white and flesh shades, Clio, Margaret Dickson, Gloire Lyonnaise, Frau Karl Druschki.

Hybrid tea class: Gruss an Teplitz, crimson scarlet; Etoile de France, velvety crimson; Richmond, scarlet red; Killarney, soft flesh pink; La France, silvery pink; Caroline Testout, satiny pink; Konigin Karola satiny rose; Kaiserin Auguste Victoria, primrose to white.

Wichuraiana class: Dorothy Perkins, Lady Gay; single flowering, Hiawatha, Delight, Evangeline, Wedding Bells.

Climbing Polyantha class: Crimson Rambler, Leuchtstern, Rubin, Psyche.

Dwarf Polyantha class: Baby Rambler, Marie Pavie, Schneewitchen, Paquerette, Mignonette, Perle des Rouges, President Taft, Eugene, Leonie Lamesch.

Mr. Cumming's address was received with applause, and he was accorded a rising vote of thanks.

Following the custom of our society, the fortnightly meetings will be omitted during the summer; and on August 26th we expect to resume work, and aggressively prepare for the two fall exhibitions, which we desire to make the most successful ones in the annals of the society.

GEORGE W. SMITH, Secretary.
Melrose, Conn., June 28, 1910.

AMERICAN SEED TRADE ASSOCIATION

Convention Story Continued

The 28th Annual Convention of the American Seed Trade Association, which was held at Atlantic City last week, was one of the most satisfactory in the history of the Association. The attendance was large and the business transacted of more than usual interest and importance.

The President's address was a noteworthy effort, and so impressed the Association that a special committee was appointed to suggest action on many of its recommendations. This committee brought in its report, but elsewhere will be found a full account of the proceedings, and it is not therefore necessary to enlarge on this feature. After the delivery of the President's address the usual routine business was transacted after which the election of new members received consideration, and it is gratifying to note that all candidates receiving the endorsement of the committee on membership were unanimously elected.

On Wednesday afternoon the President, Mr. J. C. Robinson, of Waterloo, Nebraska, generously treated the members to a delightful sail on the ocean, lasting about two hours, and in the evening the annual banquet was held at Hotel Strand. As this banquet had to be held in the regular dining room of the hotel, it was rather late in starting, the hour being nearly 9 o'clock, and as a consequence it was late in closing. However, it was a most enjoyable affair, although the principal beverage was pure, cold water. A few of the members whose stomachs are not accustomed to water and who feared they might be ill, had other liquids which seemed to agree with their spirits as well as stomachs. The few, however, were simply oases, and many covetous glances were cast in their direction. One of the most enjoyable features of the dinner was the singing by a fine quartette, and every one present thoroughly enjoyed it. The speeches following the dinner were hardly up to the average of seedsmen's banquets.

Among the important matters considered by the Association was that of seed legislation, and it was the general opinion that a national law, uniform in character throughout the country was much preferable to state acts, as no two of these would be alike and it would be well nigh impossible to conform to all of them. The correspondence between Mr. George H. Green, and the Hon. James S. Mann, who introduced the bill two years ago, which so agitated the seed trade of the country, was very interesting, and the trade is to be congratulated on having so able a representative of their interests as Mr. Green. It is, of course, impossible to say what action Congress will take at its next session, but it is certainly noteworthy that Mr. Mann's desire was to be fair and just towards the seed trade, and it was wise on their part to decide last week to co-operate with him instead of offering futile opposition. In our telegraphic report of the address by Curtis Nye Smith he is quoted as having said that "States have found a way to

exercise power not rightfully theirs by what is termed 'Police Power.'" Mr. Smith informs us that he neither made that statement nor is it correct.

It was pointed out in HORTICULTURE two years ago that some kind of seed legislation was inevitable and that it would be much wiser for the trade to co-operate with the framers of any statute on this subject and endeavor in this way to secure a just law, than to engage in a hopeless effort to block legislation. The trade is certainly to be congratulated on the attitude they have assumed in this matter.

Report of Committee on President's Address.

The committee appointed to consider and report on the president's address, Messrs. C. H. Breck, C. F. Wood and E. L. Page, made the following recommendations:

First: That the "Committee to confer with National Seed Analysts" be continued, and to act as harmoniously as may be possible with the Seed Analysts in order that the best interests of seed growers, seed dealers and the public be conserved. Also that this committee confer on important matters with similar committee or the officers of the Wholesale Grass Seed Dealers' Association in order that all seedsmen may be represented and the committee have the benefit of the wisdom and experience of the whole trade.

Second: That the attorney employed last year be retained as counsel of the Association for another year.

Third: That the President appoint in his discretion a member of the Association as state correspondent in each state and the District of Columbia, with whom the counsel may correspond and whose duties shall be to confer with other seedsmen of the state or neighboring states.

Fourth: That the President be authorized to order payment by the Treasurer of one-half of expenses and per diem of counsel incurred in connection with a call of a state correspondent to his district when in his judgment the matter involved was of sufficient interest to seedsmen in general to warrant such expenditure.

Fifth: That the President be authorized to order payment by the Treasurer of the necessary expenses of any committee incurred while on the business of the Association and not otherwise provided for, and for expenses and services of counsel in attendance on any committee, or at the request of the President.

These recommendations were all adopted.

Thursday Afternoon Session.

At the afternoon session on Thursday, June 23, the officers for ensuing year were elected as follows:

President, E. L. Page, Greene, N. Y.; first vice-president, Leonard Vaughan, Chicago; second vice-president, Marshall H. Duryea, New York; secretary and treasurer, C. E. Kendel, Cleveland, Ohio; assistant secretary and treasurer, Leonard Vaughan. Executive

Committee, J. C. Robinson, Waterloo, Neb.; S. F. Willard, Weathersfield, Conn.; Chas. N. Page, Des Moines, Ia.; S. F. Leonard, Chicago; Kirby B. White, Detroit, Mich. Membership Committee, Albert McCullough, Cincinnati, Ohio; Frank C. Woodruff, Orange, Conn.; S. A. Wilson, Clinton, Wis.

According to custom a straw vote was taken as to place of holding next convention for the information of the Executive Committee when they determine same next January, and letters were read from A. E. McKenzie, Brandon, Manitoba; George S. Lenhart, secretary-director Atlantic City Publicity Bureau, and the following telegram from Mr. W. Atlee Burpee: "Most favorably impressed upon today's automobile trip with suggestion of our Minnesota friend, Massey, that next year's convention be held at the Roycroft Inn, East Aurora, N. Y. Am sure our friend, Elbert Hubbard, would give us a royal good time." Mr. Massie stated that he and Mrs. Massie had stopped at the Roycroft Inn and could vouch for its being a delightful location. The straw vote showed plurality for East Aurora.

After adjournment all repaired to the hotel parlors where the retiring president was presented with a solid silver table service, suitably inscribed. The speech of presentation was made by Frank C. Woodruff and the response by President Robinson was warmly appreciative.

A VISIT TO FORDHOOK FARM AND TRIAL GROUNDS.

When the American Seed Trade Association concluded its twenty-eighth annual convention, which was held at Atlantic City, N. J., on June 21-23, it was with pleasurable anticipations that the attendants upon the meeting packed their grips and upon the following morning, Friday, June 24, took up their pilgrimage to the Burpee trial grounds at Fordhook, where many of them had on former occasions tasted the Burpee hospitality and found its flavor pleasing. It has been said, "Truly the garden spot of all Pennsylvania is its southeastern corner, and nestling down in the midst of one of the fairest of landscapes is Fordhook Farm, with its acres of hill and valley, woodland and meadow, dry ground and moist, offering every diversity of soil and location." A special train carried the party from Philadelphia, halting at the very gateway of the farm, and the 225 and more guests alighting walked through an embowered lane leading to the porch of the farm homestead where attired in an immaculate suit of white duck and surrounded by fair ladies Mr. Burpee drew up to his full height to welcome his guests. In the receiving line were Mr. and Mrs. W. Atlee Burpee, Mr. and Mrs. A. B. Scott and Mrs. J. D. Lee. After all had availed themselves of this opportunity to pay their compliments to the host and hostess and had been cordially greeted, they betook themselves in whatever direction best suited their fancies, the majority going direct to the trial grounds under the escort of various of

Mr. Burpee's assistants, among whom were Howard Earl, W. E. Bougy, C. L. Atlee, David McClellan, Samuel Tatem, Edward Hastings, James Crossett, Edwin Hambright, Ed. Wodock, Harry Buckman, Stephen Bisbing and G. W. Kerr.

A list of the convention party was published in this paper last week. Among the guests who had not been in attendance upon the American Seed Trade Convention but were welcomed to Fordhook by Mr. Burpee were the following:

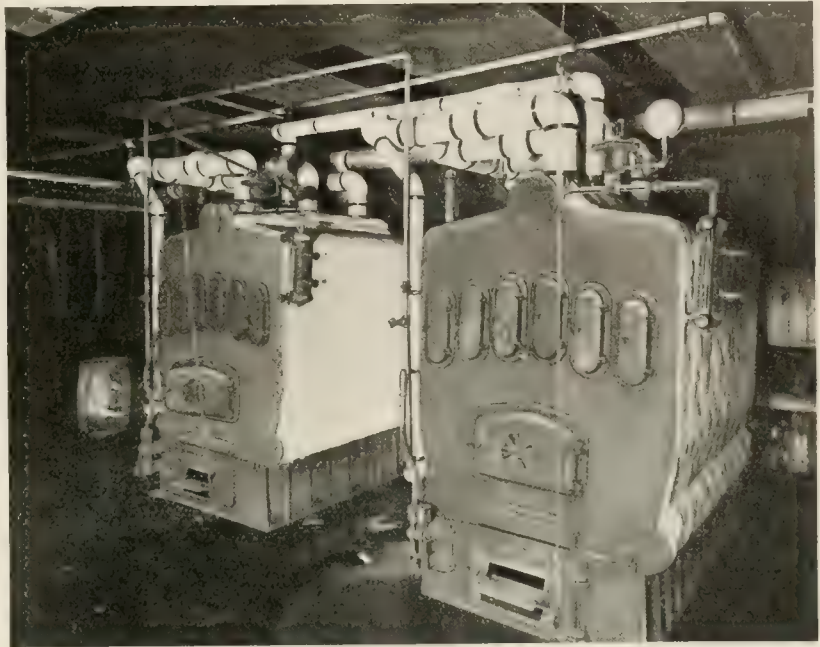
Samuel Y. Heebner, Mr. and Mrs. Thos. J. Martindale, Robert Buist, Mr. and Mrs. W. W. Harper, J. L. Stewart, Mr. and Mrs. James Johnston, P. B. Broomfield, William J. Stewart, J. K. M. L. Farquhar, Mr. and Mrs. J. R. Collingwood, Louis Boss, Wm. F. Rolph, Wilmer Atkinson, Dr. J. H. Washburn, Prof. C. C. McCue and Prof. Grantham, Mr. and Mrs. J. G. Croxton, Dr. Darlington, Wm. F. Fell, Henry Clay, Prof. M. G. Kains, T. W. Barlow, George W. South, Prof. Ward Beam, Montgomery H. Wright, E. Wesley Keeler, Prof. Carman Ross, Rev. Dr. Joseph Krauskopf and lady, E. B. Southwick, Hon. Mahlon H. Stout, E. E. Bruggerhof, Mr. and Mrs. Duffield Ashmead, Mr. and Mrs. F. W. Curtis, S. H. Voorhees and wife, R. M. Ward, Mr. and Mrs. G. Stewart Simmons, J. Appel, Ralph Blum.

The farms comprise about 200 acres. The trial beds proper occupy about 14 acres laid out in beds, each 200 yards long and from 15 to 20 ft. wide, the rows from 15 in. to 2 ft. apart. Each row is numbered, and the beds are also separately numbered, so that a full and comprehensive record can be kept of the contents of each. For the present year the trial beds contain some 6,000 samples, of which over 400 are in the sweet peas alone. Nothing like extra cultivation or stimulation is ever given to any bed, the object being to have every variety grow under uniform normal conditions, in order to secure a reliable comparative estimate of what each variety is worth. Especial pains had been taken by Mr. Burpee in anticipation of this meeting, remembering that when the convention last came to Atlantic City and Fordhook he was disappointed in that they were not so well advanced as he would wish, and consequently he resorted to fall planting in 1909, and the result was most gratifying to his visitors and also incidentally an illustration of the advantages of the method employed.

Mr. Kerr, who has had charge of the trial grounds and made all the notations since 1908, has been remarkably successful and particularly with the sweet peas which appear to respond gratefully to his persistent following up of sub-soiling. The soil here is stiff and requires loosening up and with deep trenching the pea roots get down 18 inches instead of half that distance so that the plants are able to withstand hot weather. Three sowings are made—one in fall, one in pots for setting out in early spring and one regular spring sowing. The seasons vary. This year the plants from pots have done the best.

The Spencer type of pea is rather less enduring than the old style flower, and with its added beauty and refinement of form seems to have lost some of the vigor of the grandiflora and it is a question as to how long it will

LORD & BURNHAM HEATING SYSTEM INSTALLED AT CORNELL.



At just this time when there is so much merited agitation to stimulate the legislature for an appropriation of \$50,000 for the extension of the greenhouses at the New York State College of Agriculture, Cornell University, Ithaca, N. Y., this view of the temporary heating plant of the present houses is of interest.

take to bring it back to original strength. We noted that the strain of extra early Blanche Ferry was decidedly the best thing in the pink and white flowering types. Among the blues Dobbie's Mid-blue shone out impressively. St. George is a fine orange-scarlet and George Stark is a beautiful pure scarlet, much more satisfactory, we should say, than King Edward in every respect and particular in that it does not burn under our hot suns. Coccinea, for instance, which is also a great favorite in England, is very prone to burn here. Helen Lewis impressed us as one of the best in pink, and among the lavenders Asta Ohn stands sturdily out as a strong growing beauty. E. J. Castle, rose-pink, is very free flowering and Aurora Spencer is an orange-pink of great beauty.

We should like to add much more here of what we observed in our saunter through the plantations, but space will not permit. The unvarying verdict of all the visitors was that Fordhook is one of the best conducted and carefully managed trial grounds in the world, not excepting those of Vilmerin, of which Mr. Burpee had spoken so flatteringly in the convention.

Among the features of general interest to the company were the dog kennels, where at present there are some forty collies of the purest breed; the chicken yard, containing some eight hundred thoroughbred fowls; the animal hospital, where sick dogs and other animals are looked after, and on the top of the hill crops of all description; the principal vegetable crop being tomatoes, of which some seventy-five acres are in cultivation. While the men were thus engaged, farm wag-

The boilers are the mammoth 36-inch grate, 10 sections size, "Burnham" steamers, and heat seven greenhouses, consisting of ten separate compartments in all, or about 15,000 square feet of glass. These boilers also heat the spacious two-story-and-basement head houses, which consist of the class rooms allotted the different departments, etc.

ons conveyed the ladies through shady lanes and around the outskirts.

The ideal weather, the pure air, the tramping and the riding, all contributed to make it a very jolly if somewhat tired party that repaired to the lawn around the farmhouse and under the trees, when the farm bell rang, and everyone was ready for luncheon. The usual princely hospitality characteristic of Mr. Burpee was here dispensed with a lavish hand and without formality.

Shortly before the time drew near when the company must take their special train for home, and after all had paid their respects to their host and hostess and personally expressed their gratification and appreciation of the entertainment of the day, the visitors gathered about the veranda and ex-President Robinson, addressing Mr. Burpee, said:

"Mr. and Mrs. Burpee, Ladies and Gentlemen, friends all, we can hardly allow this occasion to pass without extending to Mr. and Mrs. Burpee our sincere appreciation of this very enjoyable occasion. We are reminded of the pleasant time we spent here on a similar occasion seven years ago when we held our convention in Atlantic City. I, for one, can say that that has always remained a bright spot in my memory. I want to assure you that we thoroughly appreciate our being here and the very great hospitality that you have extended to us. We hope that you may live to repeat this many, many times." (Applause.)

Mr. Burpee replied: "Mr. President, and Ladies and Gentlemen of the A. S. T. A.:

"I have only one criticism to make

upon your worthy president's bouquet, and that is that he intimated that my wife and I would have to wait seven years more before we could again have the pleasure of entertaining you. I know that my friend, Elbert Hubbard of East Aurora, will give you a royal good time next year. Elbert Hubbard has been wanting to come to Fordhook Farm for several years, and I think there is no reason why he should not come here if you will meet in Atlantic City two years from now, and we will then try to have the season a little further advanced and show you better trials."

Mrs. Burpee was asked to make a speech, too, and blushing responded, "No, I am speechless."

President Robinson next introduced P. V. Collins, the editor of the "North-western Agriculturist," who made a most delightful speech, replete with philosophy and wit. In conclusion, he said:

"In the future, ladies and gentlemen, we shall think of our host and hostess only as we think of them this day: the sky is clear, the air delightful, the fields green and inviting, everything is lovely about us. How can there be anything more delightful than the surroundings in which we find ourselves at this moment?"

ELBERON HORTICULTURAL SOCIETY.

The annual Rose and Strawberry Show of this Society was held on the 16th of June. There was a fine display of roses, orchids and vegetables, but few strawberries, due to the bad weather.

First prizes on roses were won by Chas. O. Duncan in three classes: Jas. Kennedy in one class, Edw. O'Rourke in two, and A. Baur in two. On sweet peas and strawberries by Mr. Duncan. In vegetables the winners were C. O. Duncan, John Copper, J. Kennedy, Victor Anderson, Wm. R. Seymour, F. Reiton, E. O'Rourke and A. Baur.

Henry A. Dreer of Philadelphia was awarded a certificate of merit for 52 varieties of roses, all novelties, which made a very fine display.

Julius Roehrs Co., Rutherford, N. J., was awarded a certificate of merit for a very fine collection of orchid blooms, Peter Murray a certificate of culture for gloxinias, James Kennedy certificate of culture for Rambler roses, also for *Agrostemma coronaria*.

ALEX. FLEMING, Cor. Sec.

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting of the Florists' Club of Philadelphia scheduled for Tuesday, July 5th, has been postponed to Tuesday, July 12th, so as to have a better attendance to hear W. Albert Manda on "Should we consider our calling a trade or a profession." Most of the members leave town for over "the Fourth" and would be either away or inclined to rest on the 5th. The management have therefore wisely decided on the change of date.

The St. Louis Florist Club will meet on July 14th. The important features will be L. Armstrong's paper on "What The Club Was Organized For," and the nomination of officers. President Windler is looking for a large attendance.

During Recess

The Opening Frolic at Waretown.

Proudly dominating about a mile of New Jersey shore front on far-famed Barnegat Bay, lies the verdure-clad 400-acre farm and play ground provided for the congenial spirits of Philadelphia and elsewhere by that apostle of sunshine and good cheer, John Westcott, and on Friday of last week occurred the annual opening of the capacious club house for the season of 1910. There were present, in addition to the ever-busy host, Messrs. J. N. May, of Summit, N. J.; James Dean, of Freeport, N. Y.; H. B. Beatty, of Pittsburgh; and J. K. M. L. Farquhar and Wm. J. Stewart, of Boston. Also the following Philadelphians: John Burton, George C. Watson, Robert Kift, Robert Craig, George Craig, David Rust, George Anderson, J. W. Colflesh, W. H. Westcott, Chas. H. Eimerman, P. H. Lane, and D. C. Donoghue.

The fishing season is not yet ripe, but the bay, sparkling in the June sunlight, and invigorating air, lured to much sailing, and the woods full of interest to those botanically inclined, furnished plenty of interest.

What else was done during this memorable three days' visit would fill quite a volume, and the days were long and the nights short, and we shall not attempt a recital of the proceedings. But the most interesting incident was the presentation by the visitors to Mr. Westcott, who is affectionately known as "The Commodore," of a useful piece of furniture known as a cellarette, fully furnished with all necessary glassware and other appointments. The speech was made by Robert Craig in characteristic silver-tongued measure in words, warm, friendly and sincere. The recipient responded, preaching, as often before, the doctrine of good fellowship, of which his life is a consistent example, and assenting that "he who lives for himself alone, lives for a very mean fellow." Speeches were made and songs were sung by everyone present. The arrival later of Mr. Beatty was the occasion for another presentation, at which Mr. Westcott again good-naturedly protested; Mr. Beatty's kindly thoughtfulness having added still further to the furnishing of the commissary department, including a set of glasses with monogram, and a silver mounted stag horn carving set.

The opening of 1910 was certainly a rare treat for all who participated, a symposium of delight, a holiday without a cloud.

New York Florists' Club Outing.

This annual affair so eagerly looked forward to by the members of the Club and their families, came off as scheduled on Tuesday, June 28. At least half of the number in attendance were women and children and the latter especially, had the time of their lives. As they boarded the boat each little one was presented with a flag and the national emblem was never more enthusiastically waved. Each lady received a Japanese parasol. The weather was perfect and the arrangements as planned and carried out by Chair-

man Bunyard and his committee was put through in excellent order. Witzel outdid himself in the menu and service. Photographs were taken of the entire party and of the ladies separately.

The games were well contested and full of interest. The fat men's race in which Einsmann beat Traendly and the tug-of-war in which the florists worsted the seedsmen were very exciting. Paul Rigo collapsed after winning the quarter mile race, but presently recovered. A presentation of a purse of \$70 was made on the boat on the return trip to Harry A. Bunyard, to whose zeal and labor so much of the success of this and other outings of the club is due. The attendance was 350. Prize winners in the games were as follows:

Exhibition dancing: Misses Birnie, first; J. H. King, second. Baseball: Benedicts vs. Bachelors, won by Benedicts. Girls' race, 1 years and under, Misses Schmutz, Glochner and Kessler, first, second and third. 5 to 6 years, Misses Rosshach, Smirk and Einsmann. 7 to 9 years, Misses Schmutz, Schind and Schwake. 10 to 12 years, Misses Meisem, Walter and Mason. 13 to 15 years, Misses Einsmann and Lenker. 16 to 19 years, Misses Birnie, Birnie and Walter. Ladies' race, Misses Birnie, West and Mills. Race for members' wives and daughters, Misses Agnes and Annie Birnie. Married Ladies' race, Mesdames Handell, Salkins, Kingston and Whitman, first to fourth respectively. Ladies' race, over 40 years, Mesdames Her, Junghaus and Powell. Ladies' walking match, Alice Donnelly. Ladies' race, 175 lbs. or over, Mesdames Schmel and Langjahr. Boys' race, 4 years and under, Einsmann, Weisman, Traendly. 5 to 6 years, Meisem, Kessler, Schmitz. 7 to 9 years, Pepper, Walker, Morrissey. 10 to 12 years, Pepper, Manda, Burnett. 13 to 15, Walter, Harvey, Bcgart. 16 to 18 years, Her, Goldberg, Lowry. Running hop, step and jump, Her, King. Race for cut flower growers, Hunter, Whitman, King. Quarter mile race, Rigs, Schwartz, Deacel. Fat men's race, Einsmann, Harvey, Traendly. Married men's race, Hoffmaier, Wiseman. Growers' race, Hornecker, Wiseman, Suzuki. Three-legged race, Manda-Handel, Rigo-Jacobs, dead heat. Press bowling, Shaw, Pepper, Faulkner. Sack race, Harvey, Manda. Seeds-men's race, Al. Richards, R. Cott. Largest family present, Mrs. Einsmann.

N. Y. and N. J. Association of Plant Growers.

The fourth annual outing of this prosperous organization will be held at Mountain View House, Lake Hopatcong, N. J., on Thursday, July 7, 1910. Members and their friends will meet at the D. L. & W. R. R. station in Hoboken and there take the 8.15 A. M. train. A big and joyous time is promised. Tickets, including all expenses, \$4.00.

Mrs. E. M. Gill, florist and frequent successful competitor at horticultural exhibitions in Boston, celebrated her eightieth birthday June 28th. She received at her home, 28 Ashland street, Medford, Mass., from 2 to 5 o'clock, and a large concourse of friends in the profession and neighbors called and extended congratulations. There was a goodly delegation from the Massachusetts Horticultural Society, headed by Vice-President Parker and Secretary Rich. Secretary Rich, on behalf of his party, presented, with a neat speech, a purse of eighty dollars in gold and informed Mrs. Gill that the Trustees of the Society had voted to make her a life member. She has been connected with the Society for 45 years.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Schedule of the Garden Committee, 1910.

The Committee on Gardens and Greenhouses of the Massachusetts Horticultural Society respectfully invites the attention of owners of estates in New England to the premiums offered by this Society for the purpose of encouraging the development and ornamentation of private grounds and the establishment and maintenance of greenhouses for the culture of plants, fruits, and vegetables.

In presenting the schedule of prizes for the year 1910, the Committee desires to state that in addition to the special objects mentioned its members will be glad to inspect places devoted to the culture of any productions of merit, either under glass or in open ground, and to make such recognition of them as may be deemed suitable.

The special rules of the Committee and the list of prizes offered for the year are as follows:

Special Rules of the Garden Committee.

1. Applications for visits may be made to the Secretary of the Society, in writing, at any time during the season.

2. It shall be the duty of the committee to select from the applications those which may seem most deserving of notice, and to visit as many places, and as often, as may be deemed expedient.

3. In making all examinations, the utmost regard must be paid to economy and general thrift; in cases, however, of pleasure, landscape, or ornamental grounds, more allowance must be made for taste and design, and a gratuity or complimentary notice may be given at the discretion of the committee.

4. The committee may, at their discretion, give prizes or other awards as may best promote the objects of the Society, and meet special cases; always, of course, within the limits of the appropriation.

5. Competitors for the prizes shall furnish to the committee, if required, written statements of their modes of cultivation, and any other particulars of general interest concerning the arrangement of their grounds and greenhouses.

6. The expenses of the committee shall be paid by the Society, and a record shall be kept by the chairman of all places visited.

H. H. Hunnewell Triennial Premiums.

For an estate of not less than three acres which shall be laid out with the most taste, planted most judiciously, and kept in the best order for three consecutive years, a first prize of \$160; second prize, \$80.

Special Prize.

For an estate in Massachusetts of not more than three acres nor less than one acre that shows the best arrangement in planting and is kept in the best order, two prizes, first, \$50; second, \$25.

Society's Prizes.

For a Garden of Spring-flowering plants, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Garden of Summer or Fall-flowering plants, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Garden or Collection of Peonies, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Garden or Collection of Hardy Roses, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Garden or Collection of Irises, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Rock Garden, two prizes, first, silver medal; second, bronze medal.

For a Water Garden, not commercial, two prizes, first, silver medal; second, bronze medal.

For a Fruit Garden of large or small fruits, two prizes, first, silver medal; second, bronze medal.

For a Vegetable Garden, not commercial, two prizes, first, silver medal; second, bronze medal.

Committee on Gardens and Greenhouses, 1910.

Charles W. Parker, Chairman, Arthur F.

Barney, Arthur H. Fewkes, T. D. Hatfield, Julius Heurlin, William Nicholson, William P. Rich, William J. Stewart, Josiah B. Shurtleff, Jr., Wilfrid Wheeler.

The first visit of the committee for this season took place on Wednesday, June 29, when they went to Marion, Mass., to inspect the estate of Col. H. E. Converse which is in competition for the H. H. Hunnewell Triennial Premium, this being the second year.

THE FREEZE IN IOWA.

The unprecedented freeze of April 20, 23rd and 24th, accompanied by snow, destroyed the blossoms and leaves of a great many plants. In looking over the phenological records kept



Prunus Americana in full bloom, April 9. (Photo. Reynoldson)

by Miss Charlotte M. King (1) and previously by Dr. Halsted (2) and the writer (3), nothing has occurred like it in all of these years. The May Day Tree (*Prunus Padus*) which usually blooms about April 25th to the first of May, was in bloom in Ames on March 29th, a full month earlier than usual; the plum (*Prunus Americana*) was in bloom on April 6th, and so along with it:—*Phlox divaricata*, *Viola cucullata*, *Asarum canadense*, *Antennaria plantaginifolia*, *Isopyrum*, *biter-natum*, *Carex Pennsylvanica*, *Caltha palustris*, *Cardamine rhomboidea*, *Ranunculus abortivus*, *Isopyrum macrocarpa*, Strawberry, Box Elder, *Staphylea trifolia*, *Trillium nivale*, *Populus tremuloides*, *Populus monilifera*, *Salix discolor*, *Sanguinaria canadensis*, and *Dicentra cucullaria*, started to bloom in early April and the latter part of March.



Acer nigrum, Foliage Ruined on North Side. (Photo. Charlotte M. King)

By the 13th of April, *Lonicera tatarica*, *Aesculus glabra*, *Berberis Thunbergii*, *Lithospermum angustifolia*, *Caragana*, *Pyrus Malus*, were in full bloom.

The frost on April 20th, destroyed a large number of the samaras of the Soft Maple (*Acer saccharum*) and some of the leaves. The same was true of the two Elms (*Ulmus Americana* and *U. fulva*) and the Box Elder; also the leaves of the White Willow (*Salix alba*), *Philadelphus coronarius*, and *Spiraea Thunbergii*.

The leaves and flowers of the Syringa were destroyed, as well as the blossom of the Strawberry. The Buckeye growing in valleys or in sheltered places was not injured, suffering apparently far less than the more hardy trees.

The high wind which preceded the last freeze on April 24th, apparently added more to the injury; the leaves, fruit and flowers in the upper branches of such plants as the Willow, Elm, May Day Tree, Black Cherry (*Prunus serotina*) were more severely injured than the lower branches, although the leaves and young fruit of Box Elder were completely frozen below as well as above. *Prunus Padus* not injured on south side, but some leaves injured on the north side. In some places the *Prunus padus* was less injured than the Willow and Box Elder growing in the same situation. The same is true of the Black Cherry (*Prunus serotina*); some plants in the forest are now in bloom, the tips of the leaves and margins having been frozen. The young shoots of the Black Walnut (*Juglans nigra*) and Butternut (*J. cinerea*), and Tree of Heaven (*Ailanthus glandulosa*), and *Amorpha fruticosa*, were completely destroyed. The Black Walnut and Butternut are again producing new shoots from the supernumerary buds. New shoots are also coming out again in the case of the American Elm. The Wild Crab (*Pyrus Iowensis*) in most places was but slightly injured, and was again in bloom after the frost, though some flowers were killed. The Common Barberry leaves were somewhat injured as well as the bloom, and the blooms after the frost were much fewer than they would have been. The leaves of *Berberis Thunbergii* were not seriously injured. The *Crataegus mollis* was in full blossom with the first frost, and in many cases the flowers were completely frozen; in another case the flowers were but slightly injured, but the second frost completely killed them. Since these frosts a few additional flowers have appeared. The *Crataegus punctata* which usually blooms a week later than *C. mollis*, was apparently but little injured.

Dates of freezing temperature in April and May, 1910: Minimum, April 20th, with light snow fall, 28 deg. F.; minimum, April 23rd, with light snow fall, 29 deg. F.; minimum, April 24th, with light snow fall, 29 deg. F.; minimum, May 3rd, with heavy frost, 31 deg. F.; minimum, May 4th, with slight frost, 32 deg. F.

L. H. PAMMEL.

Agricultural College, Ames, Ia.

- (1). Ia. State Hort. Society Repts. 1901-1909.
- (2). Calendar of Trees and Shrubs. Ia. Agr. Col. Bot. Dept. Bull. 1886:44.
- (3). Phenological Notes. Torr. Bot. Club. Bull. 19: 375. Phenological Notes for 1892. Proc. Ia. Acad. Sci. 1:46.



NEW SEEDLING BEGONIA "GLORY OF CINCINNATI"

Photographic Reproduction of Plant Grown in 4 in. Pot.—Parentage—Socotrana X Sport Gloire de Lorraine Type

- | | | | |
|--|---|--|---|
| 1.—It lasts longer in the dwelling than any other Begonia. | 3.—The individual flowers are much larger than those of Gloire de Lorraine. | 5. Easy of cultivation. | 8. It flowers from October to April. |
| 2. It is a most beautiful shade of soft, satiny pink. | 4. Easily propagated. | 6.—Strong, robust grower. | 9.—Not surpassed by any other Begonia. |
| | | 7. It can be grown in a 4-inch pot to look like a plant. | 10. The best plant for the Christmas trade. |

A Begonia worth growing, because it gives satisfaction, and lasts in the dwelling. READ WHAT SOME OF OUR BEST FLORISTS SAY ABOUT IT.

Chicago, Ill., February 10, 1910

The three shipments you made to us of your new Begonia "Glory of Cincinnati" arrived in fine condition, and were about the finest we had ever seen. The trouble with Begonias formerly was that they did not last long after they reached our customers' hands; but we have received nothing but the very best reports from these three shipments, nearly every one telling us how long they lasted.

FLEISCHMANN FLORAL COMPANY,

Chicago, Ill., January 5, 1910.

I think this Begonia is far superior to the various kinds of Begonias in size of the flower and keeping qualities. I think the "Glory of Cincinnati" will be a "glory" to you for years to come.

ERNST WIENHOEBER

Washington, D. C., January 7, 1910

"Glory of Cincinnati" is one of the best in the market. Its coloring is exceptionally fine, and for robustness and

Cash With Order. Now Ready for Distribution.

longevity it is unequalled, several of the plants handled by us having been kept in private residences as long as two weeks, during which time they were in perfect condition.

JOHN H. SMALL & SONS

Philadelphia, Pa., February 11, 1910

A marked improvement over all the Begonias that I have ever seen.

H. H. BATTLES.

Cincinnati, Ohio, February 3, 1910.

The bloom and lasting qualities of this variety are far superior to those of any Begonia heretofore on the market.

A. STENDERBRUCH SONS' CO.

Morris County Gardeners' and Florists' Society,

Morrisstown, N. J., February 15, 1910

Begonia "Glory of Cincinnati" is a grand acquisition and distinct from existing varieties; excellent in color, free-flowering, and apparently of good constitution. Certificate of Merit awarded A. HERRINGTON, WM. DUCKHAN, Judges.

Prices, \$1.00 each; \$9.00 per dozen; \$50.00 per 100.

J. A. PETERSON, WESTWOOD, CINCINNATI, OHIO.

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼-oz., 75c; ½-oz., \$1.50; ¾-oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeffora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

PALMS, FERNS BAY AND BOX TREES 200,000

BEDDING PLANTS

In best condition now ready for sale.
Prices on application.

Orders taken now for Palms, Azaleas and other Decorative and Easter Plants, for Fall Delivery.

LOWEST WHOLESALE PRICES.

A. LEUTHY & CO.

PERKINS ST. NURSERIES
ROSLINDALE, BOSTON, MASS.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

Nephrolepis Ferns

We cannot book any more orders for delivery before JULY 10th.

H. H. BARROWS & SON, WHITMAN, MASS.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

NEWS NOTES.

Chicago, Ill.—A barn and cottage at Mons. Olson's place, 61st and May streets, were destroyed by fire recently. Loss covered by insurance.

New York.—The annual plant sale at Elliott's auction rooms last week was a splendid success and the growers who consigned their goods to this sale are in a very happy mood over the returns realized. It was unquestionably the best sale of the season in New York.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

FERNS

Best Commercial Varieties

IN

FLATS

For July-August Shipment by Express

Write at Once for Quotations

McHUTCHISON & COMPANY, 17 MURRAY ST.
NEW YORK

PANSY SEED — Michell's Giant Strain



Our Giant Prize Pansies are not to be compared with the ordinary Giant Trimardeau; the seed we offer will produce flowers of much heavier texture.

GIANT PRIZE	Trade pkt.	Oz.	GIANT PRIZE	Trade pkt.	Oz.
Azure Blue.....	40c	\$1.50	Snow Queen, pure		
Black Blue.....	40c	1.50	white	40c	1.50
Emperor William....	40c	1.50	White with Eye.....	40c	1.50
Hortensia Red.....	40c	2.00	Pure Yellow.....	40c	1.50
Lord Beaconsfield....	40c	1.50	Yellow with Eye....	40c	1.50

MICHELL'S GIANT EXHIBITION MIXTURE. A Giant Strain which we have procured from the leading Pansy specialists in England, Germany and France, and for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade packet, 50c.; 75c. per 1/2 oz.; per ounce, \$5.00.

Our Wholesale Summer Catalogue of Seeds, Bulbs and Supplies, free upon request.

HENRY F. MICHELL CO.
518-1018 Market St., Philadelphia

Seed Trade

Seed Pea Crop.

Reports of a reliable character have reached us to the effect that the pea crops in Michigan and Wisconsin have suffered heavily from the recent hot spell and a decided shortage is now inevitable. Wisconsin has been suffering from drought, no rain having fallen for several weeks, and while it may yet not be too late for late varieties to be benefited by a good rain, early sorts are beyond redemption. In the early part of the season Michigan suffered from excessive rain, and the weather was cool and below normal most of the time. When at last the hot wave did put in its appearance, the plants were tender and the sudden drying up of the moisture had a very disastrous effect. It is of course, rather early to predict what percentage of damage has been done, but a statement by one of the leading growers is, that the crop will not average over three-fold, and it may be taken for granted that this will probably be the best possible yield we shall get this year. This applies to the entire crop, while there may be exceptions ranging from five to seven, many will fall below three-fold. If we could only be assured that it would not be worse, it would be very comforting to all interested.

California Seed Crops.

Referring to California crops, we are informed that in general they are in excellent condition and the indications are for something about normal yield. The acreage in lettuce and onions is somewhat above average, especially lettuce, and there will be doubtless a large surplus in the hands of growers after contracts are filled. Sweet peas also promise well, and the same may be said of salsify. The acreage in carrots, beets and radish is about average, and fair crops are expected. Altogether there is probably no ground for apprehension of a shortage in California products this year. So far as European crops are con-

cerned conditions remain about the same as last reported; at least they are no better. It is too early to state what the bean crop will be, but it is starting under somewhat of a handicap, and some complaint is made of germination. Whether this is serious enough to materially affect results, will probably develop within the next few weeks.

Wholesale Grass Seed Dealers.

On Thursday, June 23, at Atlantic City, N. J., this organization elected officers as follows: President, Albert McCullough; vice-president, Charles Boyles; secretary-treasurer, J. L. Pppard.

Notes.

We are informed that the Plant Seed Company has sold its garden seed business to Mr. F. A. Roesch of Fredonia, New York, who will locate at San Antonio, Texas. It is understood that Mr. Plant will confine himself exclusively to the handling of grass and field seeds.

CATALOGUES RECEIVED.

Dippe Brothers, Quedlinburg, Germany.—This is not strictly a catalogue but an album, rather, giving statistics and other interesting information concerning the business done by this seedgrowing house which has been established for 70 years and now cultivates 7500 acres. The book gives many fine full page illustrations of the fields, storehouses and equipment of the vast concern, whose employes number between two and three thousand people.

Royal Tottenham Nurseries, Ltd., Dedemsvaar, Holland; McHutchison & Co., New York, American representatives.—Wholesale Price List of hardy perennials and rock plants, ferns, conifers, hardy azaleas, etc. This catalogue is so complete and exhaustive as to species and varieties of hardy garden material as to be practically a reference book of distinct usefulness. Many new introductions are listed.

APHINE

Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

\$2.50 per Gallon. \$1.00 per Quart.

Buy from your seedsman or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40c.

APHINE MANUFACTURING COMPANY

MADISON, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

VEGETABLE PLANTS

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 2 c. \$1.00 10,000 and over 85cts. per 1,000

EGG PLANTS — Black Beauty and New York Improved 40c. 2.00

PEPPERS—Bull Nose, Ruby King and Sweet Mountain 40c. 2.00

CELERY — White Plum, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 20c. 1.00 10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

CATALOGUE Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

DIRECT PURCHASE FROM FRENCH GROWER WITH-
OUT PASSING BY DEALER

Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

Freesia Refracta Alba.

Etc., Etc., Etc.

SOLEILLET, Horticulteur, Toulon, France

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS
FLOWER SEEDS

Get Our Prices

79 and 81
E. KINZIE STREET,

CHICAGO

ESTABLISHED 1820

**Seasonable Seeds For
Summer Sowing**

All the leading kinds

**James Vick's Sons
SEEDSMEN**

ROCHESTER, - N. Y.

DUTCH BULBS

We forward free to destination, collec-
tions of Bulbs as grown here from \$5.00
to \$25.00. Terms—Cash with order.
Write for collection and you can see what
we send.

Apply to

The Dutch Bulb and Seed Growers Co.
Haarlem (Holland)

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. E. Fiske Seed Co.,
Boston, Mass.

SOW NOW

Primula Obconica Grandiflora, as:
Carmine, Pink, White, Mixed Hybrids,
each separate Tr. Pkt., 50c. 6 Tr.
Pkts., \$2.50.

Primula Chlnensis Fimbriata Grandi-
flora, Blood-red, Pink, White, Finest
Mixture, each separate Tr. Pkt., 50c.
6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

*Thorburn's
Bulbs*

We are booking orders now for Harrisii and Formosum
and other Japan Lilies, also Roman Hyacinths and
Paper White Narcissus.

**French Grown Pansy Seed
at reduced prices**

	Per oz.
Snow Queen.....	\$.75
Orchid flowered.....	1.00
Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.60
Peacock.....	.60
Bugnot.....	1.60
Yellow Trimardeau.....	.75
White Trimardeau.....	.75

By mail on receipt of remittance. Not less than an
ounce sold at ounce rates.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet
Pea Seed is being mailed. If you have not
received a copy please send for one. New
crop of seed will be ready around July 15th
next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD."

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Giant Pansy Seeds

THE STANDARD OF EXCELLENCE

The Product of the best specialists of Europe.
The Prize Winners of the World on Colors,
Substance, Form, Size of Blossoms and Length
of Stems, the Best and Widest Range of
Colors Ever Offered. The proportion of light
and dark are well balanced. The following
collections all contain the same grade of seeds.

Florist Collection as follows:—8 Pkt.
½ oz. in each Pkt. and 30 Varieties in each
Pkt. of the Giant Five Blotched, Rivoires,
Marouch's Masterpiece, Triumph, Perfection,
Boulogne's, Winsor and Geneva, 16 Pkt. ½
oz. in each Pkt. of the Hybrid Giants as fol-
lows: Pure White, White Violet Center, 4
Shades Yellow, 4 Shades Blue, Fawn Color,
Striped and Black, Parisian Giants, Melrose
Giants, Peerless Giants. The last three are
three and five-blotched 25 varieties in each
Pkt., in all 24 Pkts., weight 3 oz., Price \$7.86

Half Florist Collection. 24 Pkt. 1-16
oz. in each Pkt., weight 1½ oz., \$3.93

Amateur Collection. 54 Pkt. 500 Seeds
in each Pkt., 12,000 Seeds, \$2.50

Cottage Collection. 12 Pkt. 500 Seeds
in each Pkt., 6,000 Seeds, \$1.25

**Mixture of all the above in equal
proportion.** 1000 Seeds, 25 Cents. 5,000
Seeds, \$1.00. 1 oz., \$3.00.

Exhibition. 50 Cents per 1000 Seeds.

Prices are Not for one or More
Collections. Terms Cash

JOHN GERARD

37 Black Rock Ave., New Britain, Conn.

DON'T FORGET

to give us a trial on Asters, Mignon-
ette, Begonia Vernon, Cineraria, Primu-
la Chinensis, Primula Obconica, Salvia
Bonfire, Salvia Splendens, Verbena,
Cyclamen and Pansy Seed. The two
latter items ready July and August.

We handle none but the highest qual-
ity strains. **SEIDELSKY & IRWIN CO.**
1215 Betz Bldg., Philadelphia, Pa.
Catalog for the asking.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just
arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

PERSONAL.

C. J. Rainear, of Philadelphia, and
Miss Charlotte A. Briggs were mar-
ried on June 22, at Brooklyn, N. Y.

Walter H. Taepke and bride of De-
troit, Mich., are at the Marie Antoi-
nette, New York City, on their honey-
moon.

T. Mellstrom, representative of San-
der & Son, St. Albans, England, sailed
from New York, June 25, on the Kai-
serin Auguste Victoria.

H. Frank Darrow, 26 Barclay street,
New York, N. Y., will sail for Europe
July 7th, per S. S. La Provence on a
short business trip.

Alex. B. Scott, of Robt. Scott & Son,
will sail for Londonderry, July 9, on
S. S. California of the Anchor Line.
On his return look for something in-
teresting concerning the Dickson rose
novelties.

A. E. Madden who has been em-
ployed by the W. E. Trimble Green-

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....July 8

Atlantic Transport.

Minnewaska, N. Y.-London....July 9

Cunard.

Ivernia, Boston-Liverpool....July 5

Campania, N. Y.-Liverpool....July 6

Carpathia, N. Y.-Med't'n....July 7

Caronia, N. Y.-Liverpool....July 9

French.

La Provence, N. Y.-Havre....July 7

Hamburg American.

Deutschland, N. Y.-Hamburg....July 2

President Lincoln, N. Y.-H'g....July 6

Amerika, N. Y.-Hamburg....July 9

Leyland.

Cestrian, Boston-Liverpool....July 6

North German Lloyd.

Prinzess Irene, N. Y.-Med't'n....July 2

Kaiser Wilhelm II, N. Y.-Br'n....July 3

Barbarossa, N. Y.-Bremen....July 7

Koenigin Luise, N. Y.-Med't'n....July 9

Kaiser Wilhelm der Grosse,
N. Y.-Bremen....July 12

Red Star.

Finland, N. Y.-Antwerp....July 2

Vaderland, N. Y.-Antwerp....July 9

White Star.

Arabic, N. Y.-Liverpool....July 2

Baltic, N. Y.-Liverpool....July 9

Teutonic, N. Y.-S'hamton....July 6

Cretic, N. Y.-Mediterranean....July 2

Cynric, Boston-Liverpool....July 12

house Co., Princeton, Ill., has left
their employ and will take a position
with another greenhouse concern in
Champaign.

Leonard Beckers has been engaged
by the Mt. Desert Nurseries, Bar
Harbor, Me., to take charge of their Main
street offices this summer. Mr. Beck-
ers was formerly with the Rosary
Flower Co., New York.

Davis McKenzie, manager of the
John Scott plant growing establish-
ment at Brooklyn, N. Y., was married
to Miss Scott, sister of the late John
Scott, on June 28, and the happy pair
sailed for a European trip on the 29th.

W. H. Waite has resigned his posi-
tion as superintendent at "Greystone,"
N. Y., and by his physician's advice
will take a three months' rest abroad.
He sails on Saturday, July 1, for Edin-
burgh, Scotland, where his friends can
address him at 30 Kemp Place.

Chas. H. Plumb, president of the
Detroit Florist Club, was as the out-
ing of the New York Florists' Club
on June 28. He sailed for Europe on
the Adriatic the following day. He
plans to return by the Auguste Vic-
toria from Hamburg, on August 19.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1554-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardapler.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, LEADING FLORIST,

TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. June weddings and graduations are over and for a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

CHICAGO NOTES.

Store Notes.

O. J. Friedman will open his branch store in the Congress Annex, August 1st. This store will be two blocks south of his present site and they are both choice locations on Michigan avenue.

Wm. J. Kidwell will divide his attention between his flower store on 43rd street and a summer resort of which he has become the owner in Michigan.

The Fleischman Floral Co. say the June business exceeds all former records. American Beauties were in the lead and they attribute this to the quantity of stock which made it possible to sell for a lower price than usual.

Good Carnations.

C. L. Washburn of Bassett & Washburn says their carnation plants have as careful attention now as in the winter. He thinks the fact that so many growers stop disbudding at this time and in other ways neglect their stock has more to do with the poor flowers coming into the market than the hot weather. Certainly this firm has fine carnations for the season.

During Recess.

The Chicago Florists' Club banquet will take place as announced on July 7th. The guests are not to include ladies. The hot weather and rush of extra June work has caused Chicago florists to suspend their bowling temporarily.

Personal.

Mrs. Wm. Cooper has opened a new store at 1005 Irving Park Blvd.

O. P. Bassett and bride are now touring Switzerland in an auto.

Joe Weiss, formerly with Peter Reinberg, is now with the J. A. Budlong Co.

Frances Brundage leaves for Galesburg on the 9th and will have a two-weeks' rest.

Frank McCabe will spend two weeks with his mother at Sterling, Ill., accompanied by Harry Johnson.

J. A. Then, a well-known young florist of 2333 Hamilton court, was married to Olga Johanna, June 27.

W. C. Johnson, salesman for E. H. Hunt Co., has returned from an extended southern trip and is now spending two weeks at his old home in Columbus, O.

Sam Murray of Kansas City, Mo., was calling on his Chicago friends last week. He says his business is so good that he is opening a second retail store in the downtown district.

Among those who take an early vacation are Joe Einweck of Bassett & Washburn's and his brother Tony, shipping clerk for E. H. Hunt Co. They will go to Worthington, Ia.

H. C. Blewitt of Desplaines, who grows sweet peas has faith in his favorite flower and though the hot weather has shortened the stems one-half. He is still able to move them readily. Several new houses are being constructed after the latest model.

Wm. Homberg has taken a position at J. Kidwell's retail store and greenhouses at 38th street and Wentworth avenue. Mr. Kidwell will give most of his time hereafter to the greenhouse plant at Wellworth Farm where his son and nephew are and will move his family there soon.

Visitors—Mr. Jergensen of Donaldson Co., Minneapolis, Minn.; H. A. Fisher, Kalamazoo, Mich.; Sam Murray, Kansas City, Mo.; O. B. Obertin, Kenosha, Wis.; J. F. Armstrong, Homer, Mich.; Otto Benthey, Newcastle, Ind.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heintz.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEWS NOTES.

New York, N. Y.—The Geller Floral Co. has leased the ground floor at 147 West 28th street.

Kansas City, Mo.—Sam Murray is about to open a second retail store, in the downtown district of the city.

NEW FLOWER STORE.

Martins Ferry, Ohio.—Jack Beck, branch store.

Mrs. F. G. Goodman, wife of a florist in Mason City, Ia., was thrown from a wagon when the horse took fright at an umbrella and ran away. She received severe spinal and other injuries.

Mr. and Mrs. W. H. Elliott celebrated the opening of their new residence in Brighton, Mass., with a reception on Wednesday evening, June 29, which was attended by a large concourse of friends and neighbors who extended congratulations and spent a most enjoyable evening.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., all in Stock

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

ROSE PLANTS

Prompt Delivery—Satisfaction Guaranteed

Maids, 3 1-2 in. pots, \$7.00 per 100 Brides, 3 in. pots, \$6.00 per 100
Richmond, 3 in. pots, \$6.00 per 100

Green and Bronze Galax, \$7 50 per case

It pays you to buy them by the case, and you always have a supply on hand, when you need them. Our Galax leaves are of the right size, and as good as you can get them.

Business Hours 7 a.m. to 6 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO June 28	TWIN CITIES June 28	PHILA June 28	BOSTON June 30
ROSES				
Am. Beauty, Fancy and Special...	15.00 to 20.00	25.00 to 30.00	20.00 to 25.00	18.00 to 25.00
" Extra.....	10.00 to 15.00	15.00 to 25.00	15.50 to 20.00	10.00 to 15.00
" No. 1.....	6.00 to 10.00	10.00 to 15.00	8.00 to 10.00	6.00 to 8.00
" Lower grades.....	2.00 to 5.00	6.00 to 10.00	3.00 to 6.00	.50 to 1.00
Bride, 'Maid, Chatenay, F. & S....	4.00 to 6.00	5.00 to 7.00	..... to 8.00	4.00 to 6.00
" Lower grades.....	2.00 to 4.00	3.00 to 5.00	2.00 to 6.00	.50 to 3.00
Killarney, My Maryland, Fan, & Sp.	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 6.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	2.00 to 6.00	.50 to 3.00
Richmond, Fancy & Special.....	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 6.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	2.00 to 6.00	.50 to 3.00
Kaiserin, Carnot, Fancy and Sp....	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00
" Lower Grades....	2.00 to 4.00	4.00 to 6.00	2.00 to 6.00	.50 to 3.00
CARNATIONS, Nov. and Fan.				
" Ordinary.....	1.50 to 2.00	2.00 to 3.50	2.00 to 3.00	1.00 to 3.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00
Lilies.....	8.00 to 10.00	11.00 to 14.00	8.00 to 12.50	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 3.00
Stocks.....	..... to .....	..... to	2.00 to 3.00	1.00 to 2.00
Daisies.....	.25 to .40	.75 to 1.00	.50 to 1.00	.50 to .75
Snapdragon.....	..... to	4.00 to 6.00	3.00 to 8.00	1.00 to 3.00
Peonies.....	4.00 to 6.00	5.00 to 8.00	3.00 to 4.00	.75 to 2.00
Sweet Peas.....	.50 to 1.50	1.00 to 2.00	.40 to .50	.75 to .50
Gardenias.....	..... to	20.00 to 30.00	5.00 to 12.50	4.00 to 8.00
Adiantum.....	..... to 1.00	.75 to 1.25	1.00 to 1.50	1.00 to 1.25
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.50 to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" & Spreng. (100 bchs.)	25.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers Bring in Your Orders Roses and Carnations Our Specialty

FERNS FOR DISHES,

CASH WITH ORDER

4911 Quincy St.,

Chicago, Ill.

Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OECHSLIN

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Market Reports.

BOSTON Although up to the present moment there has been a pleasing activity yet all indications now point to the arrival of summer conditions. Schools and colleges have closed their exercises and all the June brides have been taken care of—at least, as far as the florist part is concerned. So there are evidences other than the calendar that July has come and with it the end of the flower season for 1909-10. Roses are plentiful but all right as to quality. There are quantities of small flowers from young stock which nobody has any use for. Carnations, although excellent for the date, have also been overtaken by the dead calm and are accumulating in wholesalers' hands, as are lilies, gardenias, lily of the valley, sweet peas and lots of other things, all of which are at the disposal of the street fakir at his own estimate of what the price should be.

CHICAGO The supply of flowers grows scarcer each week and as June comes to an end there is far from an oversupply of good stock. In fact there is not an abundance of any kind. Peonies continue to be a disappointment and those going into cold storage may prove a further loss. They have not sold as well as usual this season. Those coming in now from northern Michigan are in better condition than the earlier stock. Beauties are considered very good for the season and the new ones will be ready just in time to take the place of the old ones. Plenty of fine *Lilium candidum* are coming in and they find a good sale. Windows are bright with summer flowers, the perennial *gaillardia*, cornflower and poppies being very showy. Roses are showing effect of the heat and sweet peas are growing shorter. A rain is very much needed. The great majority of florists report a very satisfactory June trade. The record for weddings in point of number has been broken.

DETROIT Locally the last two weeks were full of hustle and bustle caused by commencements and weddings. But even at this rate local supplies far outstripped the demand and the fakirs had their inning, selling carnations all the way from 19c. to 25c. per dozen and roses at 35 and 50c. Sweet peas are very much in demand and clean up well at 75c. to \$1.00 per 100. Peonies will last another week notwithstanding the fearfully hot weather most of last week. Demand for boxwoods is still very strong and round shaped plants sell much better than pyramids.

PHILADELPHIA Market this week was half good and half bad. Early in the week there was a good volume of business at reasonable prices. From Wednesday on to Saturday the situation went to pieces completely and good stock could be bought at almost any price. Such a condition is not unusual at this season of the year, however. There was a very good market for early Beauties, white roses and lily of the valley—Kaiserin roses especially being in request and on the short side, if anything. On the pink roses Maryland led the procession—as always at this season of the year—

WIRE SPECIAL

Florist's Cut Flower Wire at Bargain Prices

A big purchase from our manufacturer prior to stock taking enables us to make the following low price offer. The stock is our usual high grade quality wire and absolutely clean. We have a good supply in all numbers, both 12 in. and 18 in. lengths.

No. 18	Per box of 12 lbs.	\$.75
No. 19	" " " "	.75
No. 20	" " " "	.80
No. 21	" " " "	.85
No. 22	" " " "	.90
No. 23	" " " "	.95
No. 24	" " " "	1.00

No order will be considered for less than six boxes at these prices. You can assort numbers and sizes to make up amount.



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF
1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D. C.
CLOSED ALL DAY JULY 4.



	WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.			
	CINCINNATI June 28	DETROIT June 28	BUFFALO June 28	PITTSBURGH June 28
ROSES				
Am. Beauty, Fan. and Sp.	10.00 to 15.00	20.00 to 23.00	20.00 to 23.00	20.00 to 23.00
Extra	6.00 to 8.00	15.00 to 18.00	12.00 to 15.00	12.50 to 15.00
No. 1	3.00 to 6.00	10.00 to 15.00	7.00 to 10.00	6.00 to 10.00
Lower grades	3.00 to 4.00	4.00 to 8.00	2.00 to 4.00	to 4.00
Bride, "Maid, Chateaux, F. & S.	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 8.00
Low. gr.	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	to 2.00
Killarney, My Maryland, Fan. & Sp	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 8.00
Lower grades	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	to 2.00
Richmond, Fancy & Special	4.00 to 6.00	4.00 to 7.00	6.00 to 8.00	6.00 to 8.00
Lower grades	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot, Fancy and Sp.	4.00 to 6.00	4.00 to 7.00	6.00 to 8.00	6.00 to 8.00
Lower Grades	2.00 to 3.00	2.00 to 4.00	2.00 to 5.00	2.00 to 4.00
CARNATIONS, Novelty and Fancy				
Ordinary	2.00 to 3.00	1.50 to 2.50	2.00 to 2.50	to 2.00
Ordinary	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	to 1.00
MISCELLANEOUS				
Cattleyas	to 8.00	to 15.00	to 12.00	50.00 to 60.00
Lilies	4.00 to 8.00	3.00 to 4.00	3.00 to 4.00	6.00 to 8.00
Lily of the Valley	1.00 to 4.00	2.00 to 3.00	to 4.00	2.00 to 4.00
Stocks	1.00 to 1.50	2.00 to 3.00	to 4.00	3.00 to 6.00
Daisies	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	to 1.00
Snapdragon	1.00 to 3.00	2.00 to 3.00	2.00 to 4.00	2.00 to 6.00
Peonies	4.00 to 6.00	4.00 to 8.00	3.00 to 5.00	to 6.00
Sweet Peas	1.00 to 2.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 14.00	15.00 to 15.00	15.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	35.00 to 50.00	30.00 to 40.00	50.00 to 60.00	30.00 to 50.00
" & Spreng. (100 bchs.)	25.00 to 30.00	30.00 to 40.00	25.00 to 50.00	30.00 to 50.00

with Killarney a close second. Carnations continue very good but are not selling to the advantage of the grower. They are nearly all disposed of by the end of the week, which is gratifying in a way, if only some decent returns followed. Cattleyas are the mainstay of the orchid market and are plentiful enough to keep same on a local keel as to price. Water lilies and *Lilium candidum* are a feature. Japanese iris, gladioli and cornflowers loom up conspicuously on the counters of the wholesale markets. The demand for

these is fair, and there is no overstock so far except on cornflower. There is as much sale for sweet peas as anything else and the supply is plentiful and good. All kinds of greens plentiful and overstocked in some cases. Smilax and Croweanum fern which have been on the high bench for a long time are now back among the plebians. Taking it all in all it was a trying week for the wholesalers as they were at their wits' end to find a place for the enormous arrivals.

(Reports continued on page 23)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street New York
Telephones 4-26-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758 New York
Madison Square

J. K. ALLEN
Wholesale Florist
Established 1887. Open 6 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York City
Open from 5 a. m. to 6 p. m. Sun-
day till 10 a. m. **CUT FLOWERS**
Tel. 5243 Madison Sq.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 25 1910		First Half of Week beginning June 27 1910	
American Beauty, Fancy and Special.....	8.00	10 20.00	8.00	10 20.00
" " Extra.....	5.00	to 8.00	5.00	to 8.00
" " No. 1.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Maryland, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, Fancy and Novelties.....	1.00	to 3.00	1.00	to 3.00
" " Ordinary.....	.50	to .75	.50	to .75

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut.
Cycas and Palmetto.
Tel. 1519 / 5893 Mad. Sq. 113 W. 28 St., New York.

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

New ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



Flower Market Reports

(Continued from page 21)

NEW YORK Trade has been rather fluctuating since last report, some days developing a very pleasing activity in the morning hours and others characterized by the well-recognized symptoms of summer lethargy. Altogether, while there has been considerable complaining of the dullness of trade, we think the month of June has sized up fairly well as compared with other Junes in the past. The quality of stock being received is as good as, if not better than, we have been accustomed to see at this season of the year. The roses grown for summer blooming are producing freely and those from the winter houses are rapidly falling off in quantity daily as one house after another is cleared out. Sweet peas are coming in abundantly and peonies are about finished. Nymphaeas plentiful. Orchids rather short in supply.

INCORPORATED.

Phoenix, Arizona.—Hill's Seed House. Directors, L. I. L. Hill, F. N. Hill and Frank Mosshammer.

Chicago, Ill.—E. C. Amling Co., capital stock \$50,000. Greenhouse and flower business. E. C. Amling, P. M. Miller and M. C. Waltman incorporators.

Petersburg, W. Va.—Arrowfield Nursery Co., capital stock \$2500. W. N. Roper, president; Edith M. Nut, vice-president, and W. N. Nut, secretary and treasurer.

NEWS NOTES.

Gnadenhutten, Ohio.—The extensive greenhouse of A. Demuth & Sons will be removed to this place and the work of dismantling has already begun.

Piqua, Ohio.—The business of W. F. Frisch will hereafter be known as Frisch & Carpenter, Ira Carpenter having purchased an interest in the business.

Gardner, Mass.—The greenhouses and other buildings of Carl J. Erickson were destroyed by fire Sunday afternoon, June 28th, with a loss of \$3500.

Newton Falls, Ohio.—The greenhouses of C. E. Tinker, formerly of Garrettsville, Ohio, have been moved to this place and another house 28 x 100 feet is being built.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 25 1910		First Half of Week beginning June 27 1910	
Cattleyas	20.00	to 35.00	20.00	to 35.00
Lilies	3.00	to 4.00	3.00	to 4.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Stocks	1.00	to 3.00	1.00	to 3.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon	3.00	to 4.00	3.00	to 4.00
Peonies.....	.....	.....	.....	.....
Sweet Peas (per 100 bchs)	2.00	to 6.00	2.00	to 6.00
Gardenias	3.00	to 15.00	3.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs)	10.00	to 25.00	10.00	to 25.00

OBITUARY.

George R. Wheeldon.

The death of George R. Wheeldon, on June 25, was learned with regret by the trade in general. "Old Derby," as he was called, was a familiar character for more than twenty years in the down town district of Chicago, and while his business methods were humble he was honest and his face will be missed. While returning home after selling all his flowers save one rose, he was struck by a street car at Indiana avenue and Harrison street and instantly killed. One year ago he had a similar experience of a less serious nature. "Derby" was an Englishman and spoke with a strong cockney accent and would not speak of himself to even his best friends. His love of flowers was a passion with him and his casket was covered with them. No relations claimed his body and a committee of florists with A. Lange as chairman, took charge of the funeral, which was held at Rolston's undertaking parlors. Quantities of flowers were sent there and he was carried away among the blossoms which meant more to him than a mere support.

M. D. Jones.

Melville D. Jones, well-known as a dealer in iron vases, trellises, jardinières and similar goods in Boston for many years, died suddenly of heart disease on June 22, while on a Boston & Maine train on which he was going to his home in Somerville. Mr. Jones was born in Boston in 1842. He served in the 5th Mass. Regiment in 1861 and 1862. He leaves a widow, three sons and a daughter.

Bernard G. Schramm.

Bernard G. Schramm of the florist firm of Schramm Bros., Toledo, O., died Friday afternoon, June 24th, at his home, 1816 George street.

ST. LOUIS PERSONALS.

Walter Young and James Avata, of Young's staff of employees, have taken a week's vacation with a fishing party.

E. Henchel, florist of Webster Groves, is making a summer trip to his home in Germany. He will be back early in September.

The W. C. Smith Wholesale Floral Co. has leased the entire five floors of their building at 1316 Pine street. All will be used for supplies.

August Eggert, florist of East St. Louis, lost his sister last week, she being sick only a short time and having come to this country but recently.

Robert Greber, a florist in Clayton, lost his wife last week. The funeral took place on Sunday, June 26. Mrs. Greber was well known in the trade, which extends sincere sympathy.

A. W. Schisler, Fred S. Plant and Mr. and Mrs. Adolph Corneli, local seedsmen who attended the American Seed Trade Association, last week, at Atlantic City, have returned home and say they all had a good time.

J. H. Dayton, of Painsville, Ohio, and Thomas B. Mehan, of Philadelphia, spent a day in the city last week and were shown around by Frank Weber. Both gentlemen had attended the Nurserymen's convention at Denver, and were on their way home.

President Stark, of the American Association of Nurserymen, has already made two good appointments for next year's convention by the re-appointment of Frank A. Weber as chairman of the entertainment committee and J. W. Schuette chairman of the committees of exhibits. Both are local nurserymen and are hustlers.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.
Asparagus Sprengerii, 2 1/4 inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dunn & Son, Westfield, N. Y.

ASTERS

FLORISTS' ASTERS.

Field-grown, separate colors. Crego, white, pink and rose; Semple's, purple and lavender; \$2.50 per 1000. express; by mail, 50c. per 100. Cash with order. A. & G. Rosbach, Pemberton, N. J.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Begonia Lorraine and Agathe, 2 1/2 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

For page see List of Advertisers.

H. E. Flske Seed Co., Boston, Mass.
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

J. Soleillet, Toulon, France.

French Hyacinths, Narcissi and Freesias.
For page see List of Advertisers.

Dutch Bulb & Seed Growers Co., Haarlem, Holland.

Dutch Bulbs.

For page see List of Advertisers.

CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.

For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

CHRYSANTHEMUM ROOTED CUTTINGS

WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnaillon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennet Sq., Pa.

CHRYSANTHEMUMS — Continued

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

COLEUS

J. E. Felthousen, Schenectady, N. Y.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum, Large flowering, mixed colors, fine bushy plants. 3 inch \$5.00 per 100; 4 inch \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, extra well grown plants from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3 1/2 in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

DRACANEAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 28

EGG PLANTS

Egg Plants from seed beds, 30c. per 100 while they last. Will exchange for bulbs or plants. Charles F. Newell, West Newbury, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechlein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

Ferns in Flats.

For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hosea Waterer, Philadelphia, Pa.
Thompson's Vine, Plant and Vegetable Manure.

For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Inc., Cromwell, Conn.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblatz, 6417 Carnegie Ave., Cleveland, O.

25,000 geraniums in following varieties: Nutt, Buchner, Jaulin and Ricard, 3½ and 4-in., \$7.50 and \$8.00 per 100. Fine stock, strong and stocky. Cash please. A. H. Cragg & Son, Stratham, N. H.

Geranium, S. A. Nutt, Double Grant and assorted, 3½ and 4 inch, 6 and 7c; Sallerol 3 inch, 4c. Stafford Floral Co., Stafford Springs, Conn.

Geraniums, strong, healthy, 3-in.; in bud and bloom. Nutt, Viaud, Poitevine, La-Favorite. 5c. Cash please. O. C. Day, Hudson, Mass.

Geraniums, rooted cuttings of Ricard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums. Ricard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.
For page see List of Advertisers.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GLAZING PUTTY

E. H. Hunt, Chicago, Ill.

"Elastic-Lyke"

For page see List of Advertisers.

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

For page see List of Advertisers.

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba. We have the largest stock of strong 2 and 3-year-old plants in America at attractive prices. Inspection of stock desired.

E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.
- Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.
Hammond's Slug Shot.
For page see List of Advertisers.

IRIS

- E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.
- Peterson Nursery, Chicago, Ill.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobblin & Atkins, Rutherford, N. J.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LEMON VERBENAS

- R. Vincent, Jr. & Sons Co.,
Whitemarsh, Md.

LILIES

- E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

LOBELIAS

- R. Vincent, Jr. & Sons Co.,
White Marsh, Md.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobblin & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PEAT

- C. W. Brownell Co., Walden, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 106
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Arthur T. Boddington New York, N. Y.
Oncidium Importation.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1183 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PANSY SEED

- John Gerard, New Britain, Conn.
Giant Pansy Seed.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Peterson Nursery, Chicago, Ill.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

- R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
Double Petunias.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

- Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1183 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- John Burton, Philadelphia, Pa.
American Beauty Plants.
- The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.
- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.
- Arthur T. Boddington, New York.
For page see List of Advertisers.
- Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.
- H. F. Michell Co., 1018 Market St., Phila.
Primrose and Cineraria Seed.
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.
- Schlegel & Fottler Co., Boston, Mass.
For page see List of Advertisers.
- E. F. Winterson Co., Chicago.
For Plantsmen, Nurserymen, Seedsman.
- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

For List of Advertisers See Page 28

SEEDS — Continued

- O. V. Zangen, Hoboken, N. J.
Primulas.
For page see List of Advertisers.
- H. E. Fiske Seed Co., Boston.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
For page see List of Advertisers.
- Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

- John C. Meyer & Co., Boston, Mass.
For page see List of Advertisers.

SMILAX

- A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

SMILAX STRING

- John C. Meyer & Co., Lowell, Mass.
Green Silkline.
For page see List of Advertisers.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STROKUM TREE BINDING

- George Stratford Oakum Co.,
Jersey City, N. J.

SWEET PEAS

- A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.
- A large stock of sweet potato plants now ready. Yellow Nansmond, Big Stem Jersey and Early Golden, \$1.25, 1000; \$10.00, 10,000. H. Austin Co., Felton, Del.
- Vegetable Plants. Balance of entire stock 5000 Tomato plants, potted; 1000 Peppers; 5000 All Season Cabbage; 5000 Celery plants; entire lot for \$25.00, cash. Leonard L. Buckley, Wassala, N. Y.

VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

WATER HYACINTHS

- Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

WILD SMILAX

- E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWOREK

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

- William F. Kasting Co., 333-37 Ellicott St., Buffalo, N. Y.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co., Cincinnati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- Phillip F. Kessler, 55 & 57 W. 26th St., New York.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St., New York.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

- W. E. McKissick & Bros., 1619-1621 Randa-
stead St., Philadelphia, Pa.
For page see List of Advertisers.
- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.

New Offers in This Issue.**BEGONIA GLORY OF CINCINNATI.**

- J. A. Peterson, Cincinnati, Ohio.
For page see List of Advertisers.

GERANIUMS.

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

PANSY SEED.

- H. F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

PANSY SEED.

- Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

POT GROWN STRAWBERRY PLANTS.

- Wilfrid Wheeler, Concord, Mass.
For page see List of Advertisers.

ROSES.

- L. B. Coddington, Murray Hill, N. J.
For page see List of Advertisers.

WATER PROOF CRAPE PAPER.

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

	Page		Page
Advance The Co.	31	Kuebler, W. H.	22
Allen, J. K.	22	Lager & Hurrell	2
Aphine Mfg. Co.	16	Langjahr, A. H.	22
Aschmann, G.	3	Lawrence, H. V.	18
Barrows & Son	15	Leonard Seed Co.	15
Bayersdorfer, H.	23	Leuthy, A. & Co.	15
& Co.	19	Lord & Burnham	32
Beaven, E. A.	23	MacMullin, E.	18
Boblink & Atkins	4	Matthews	18
Boddington, A. T.	15	Metropolitan Ma-	31
Boston Florist	19	terial Co.	31
Letter Co.	19	McCarthy, N. F.	23
Boston Plate &	31	& Co.	23
Window Glass	31	McConnell, Alex.	18
Breck, J. & Sons	17	McCray Refriger-	19
Breitmeyer's, J.	18	ator Co.	19
Sons	18	McCullough's, J.	20
Bridgeman's Seed	17	McHutchison &	15
Warehouse	17	Co.	15
Brownell, C. W.	3	McKellar, C. W.	20
"Buds"	17	McKissick, W. E.	20
Burpee, W. A. &	17	& Bros.	20
Co.	17	McManus, Jas.	22
Buxton, Doane	31	Meyer, J. C. & Co.	23
Co.	31	Michell, H. F. Co.	16
Carrillo & Bald-	2	Michigan Cut	23
win	2	Flower Ex.	23
Chicago Carna-	3	Millang, A.	22
tion Co.	3	Millang, Chas.	22
Clarke's, D. Sons	18	Miller, E. S.	3
Coddington, L. B.	4	Moninger, J. C.	31
Cowee, W. J.	20	Co.	31
Craig, Robt. Co.	4	Moore, Hentz &	22
Crawback, G. W.	22	Nash	22
Dards	18	Murray, Samuel	18
Dingee & Conard	4	N. E. Nurseries	4
Co.	4	Nicotine Mfg. Co.	29
Dorner & Sons Co.	3	Niessen, Leo Co.	20
Dow, Geo. E.	16	Oechslin, Frank	20
Dreer, H. A.	30	Ordonez Bros.	2
Dunlop, John H.	18	Ouwkerk, P.	4
Dutch Bulb &	2	Paletorpe, P. R.	29
Seed Growers	2	Co.	29
Co.	2	Palmer, W. J. &	18
Dysart, R. J.	17	Son	18
Eastern Chemical	29	Park Floral Co.	18
Co.	29	Parshelsky Bros.	31
Edwards Folding	20	Peacock Dahlia	4
Box Co.	20	Farms	4
Ellwanger & Bar-	15	Pennock - Meehan	21
ry	15	Co.	21
Elliott, W. Sons	31	Perkins St. Nur-	15
Esler, J. G.	31	series	15
Ernest, W. H.	30	Peters & Reed	30
Eyres	18	Co.	30
Farquhar, R. &	4	Peterson, J. A.	14
J. & Co.	4	Pierce, F. O.	30
Fiske, H. E. Seed	17	Pierson, A. N.	3
Co.	17	Pierson, F. R.	2
Foley Mfg. Co.	31	Pierson U-Bar Co.	32
Ford, M. C.	22	Poehlmann Bros.	20
Freeman, G. L.	2	Pulverized Manure	29
Co.	2	Co.	29
Froment, H. E.	22	Reed & Keller	22
Galvin, Thos. F.	19	Reinberg, Peter	20
Gerard, J.	17	Rice Bros.	20
Gloeckner, Carl	17	Rice, M. & Co.	2
R.	17	Rickard Bros.	17
Greater N. Y.	22	Robinson & Co.	20
Florists' Assn.	22	Rock, Wm. L.	18
Grey, T. J. Co.	17	Rohrs, Julius Co.	15
Gude Bros. Co.	18	Roland, Thos.	3
Guttman, Alex J.	22	Rolker, A. & Sons	30
Hall Association	31	Rosens	20
Hammond Paint	29	Sander & Son	2
& Slug Shot	29	Schlegel & Fot-	17
Works	29	tler Co.	17
Heacock, Jos. Co.	15	Schultz, Jacob	18
Heini, Geo. A.	18	Scott, John	15
Herbert	4	Sharp, Partridge	31
Hews, A. H. &	30	Co.	31
Co.	30	Sheridan, W. F.	22
Hillinger Bros.	30	Siggers & Siggers	31
Hill, The E. G.	4	Skidelsky & Ir-	17
Co.	4	win	17
Hitchings & Co.	32	Smith, E. D. & Co.	3
Hoerber Bros.	20	Smith, P. J.	22
Home Corresp.	28	Smith, W. & T.	4
School	28	Co.	4
Horan, E. C.	22	Smyth, Wm. J.	18
Hunt, E. H.	29-30	Soleillet	17
Jager, Chas. J.	29	Standard Plate	31
Co.	29	Glass Co.	31
Kasting, W. F.	22	Stearns, A. T.	31
Co.	22	Lumber Co.	31
Kentucky Tobacco	30	Stump & Wal-	29
Product Co.	30	ter Co.	29
Kervan Co.	22	Syracuse Pottery	30
Kessler, P. F.	22	Co.	30
King Cons. Co.	31	Talby	18
Krick, W. C.	22	Thompson, J. D.	3
Kroeschell Bros.	31		
Co.	31		

	Page		Page
Thorburn, J. M.	29	Waterer, Hosea	29
& Co.	17	Welch Bros.	20
Thurlow's, T. C.	4	Wheeler, Wilfred	4
Sons, Inc.	4	Wilson	18
Totty, Chas. S.	4	Wood Bros.	3
Valentire, J. A.	18	Yokohama Nur-	4
Vicks, Jas. Sons	17	series	4
Vincent, R., Jr.	3-16	Young & Nugent	18
& Sons	3-16	Zangen, O. V.	17
Wants, For Sale	28	Zinn, Julius A.	19
Ward, R. M. &	17	Zvolanek, A. C.	17
Co.	17		

PUBLICATIONS RECEIVED.

Chrysanthemum Society of America. Proceedings of the Eighth Annual Meeting, held at the American Institute, New York City, November 10-12, 1909. A list of American varieties and of foreign varieties disseminated in 1909 is appended. A good portrait of President Elmer D. Smith makes an appropriate frontispiece.

A Manual on The Phlox, by C. S. Harrison, York, Neb.—We are pleased to note that this useful work first written as a labor of love by that eloquent and practical apostle of the gospel of beauty, Rev. C. S. Harrison, has reached its second edition. Notes on some recent experimenting have been added. The price is 25 cents.

Classification of the Peony, Third Report, May, 1910, by Leon D. Batchelor.—This is Bulletin 278 of Cornell University, Department of Horticulture. The pages show what an infinite amount of patient work has been done by Mr. Batchelor and his colleagues jointly representing the college and the American Peony Society. It follows in sequence the two earlier publications by Dr. J. Eliot Coit, viz.: "The Check List," published in 1907 and "The Peony" published in 1908. Together these bulletins present information which no peony dealer or grower can do without and which can not be found elsewhere. The work marks an era in the history of Peony albiflora as a garden subject and reflects much credit on the gentlemen who have given so much time and labor to straighten out the tangles of nomenclature which confronted them. The nursery trade owes them a debt of gratitude.

A very useful card has been prepared and is being sent out to all applicants by Kroeschell Bros. Co., 466 W. Erie street, Chicago, containing complete tables of information concerning greenhouse pipe, all sizes from 1/8-inch to 12-inch. This includes price per foot standard, internal and external area in square inches, length of pipe containing one square foot heating surface, square foot in each linear foot, contents in gal. per lin. foot, weight of water per lin. ft. pounds, length of pipe containing one cub. foot, weight of pipe per ft. bursting pressure of std. steel pipe in pounds and working pressure factor of safety 6, of std. steel pipe in pounds. Send to Kroeschell for one of these and tack it up in the work room.

In ordering goods please add 1 "saw" it in HORTICULTURE."

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

WANTED—A working partner in greenhouse business. Charles F. Newell, West Newbury, Mass.

SITUATIONS WANTED

SITUATION WANTED—Gardener, head or superintendent, 20 years practical experience under glass and out doors; landscape work and all pertaining to the upkeep of a gentleman's estate. Excellent references, (38), single. H. I. J., care HORTICULTURE.

WORKING FOREMAN wants position; good grower of roses, pinks, chrysanthemums, pot plants, etc.; long experience. First class references. S. J., care HORTICULTURE.

WANTED—Position as foreman, inside, private or commercial; thoroughly experienced in growing orchids, fruit and plants. Best of references. Apply, X Y Z, 261 West 42nd St., New York, N. Y.

FOR SALE

FOR SALE OR TO LET—Three green houses, one 18 x 85, two 15 x 75 each; six and one-half miles from Boston market; all modern conveniences. Also lot of land for outside use. Terms reasonable to right party. Apply to Samuel Brown, 320 Beale St., Wollaston, Mass., N. Y., N. H. & H. R. R.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap. Apply to Wm. Ballard, Perry, Iowa.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

MISCELLANEOUS

WANTED TO RENT: Retail greenhouse establishment, with privilege of buying. State terms, size, etc. Box 97, Jersey City, N. J.

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALED
FOR

Vines,
Tomatoes,
Cucumbers,
all Flowering,
Foliage and
Fruit bearing
Plants,
Vegetables,
Lawns, etc.



The result of
many years
practical
experience.

PERFECT
PLANT FOODS

56 lb. bag \$3.00
\$5.75 for two
bags

— ALSO —

Thomson's Special Chrysanthemum
and Topdressing Manure

56 lb. bag \$5.75

HOSEA WATERER, Seedsman,
107-109 So. 7th St., Philadelphia

Imp Soap Spray

5th year most effective spray against
all insect pests. Harmless to plants.
No mineral poisons.

Only 'pray Not Poisonous to
Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.

Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

Sold by Seedsmen and Merchants all over
New England



For Pamphlet on Bugs and Blights write to
Hammond's Paint and Slug Shot Works.
Fishkill on Hudson, N. Y.

KILMDEAD

The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$2.50

Stump & Walter Co. 50 Barclay St., New York.

NEWS NOTES.

Woodlawn, Md.—Fred Reitz has purchased from Hanson Bros. a greenhouse 20 x 100 feet.

Strawberry Point, Ia.—Fred Ullman of Edgewood has moved his greenhouses here and will erect another house.

Atchison, Kans.—H. E. Mitting has leased the greenhouses of the Manglesdorf Bros. Co. Manglesdorf Bros. will continue their store.

Philadelphia, Pa.—Jacob Becker has sold the land on which his greenhouses now stand and will remove them in July to 5210-5222 Ludlow street.

Detroit, Mich.—Robert Watson is building three houses each 16 x 100 feet out of the material obtained by tearing down four of his old houses, and will install a new hot water system and many other improvements.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines, for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen kinds; designed and tested by protection growers, approved by government and Experiment Station experts. Catalogue and spraying Calendar free. We make pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

In ordering goods please add "I saw it in HORTICULTURE."

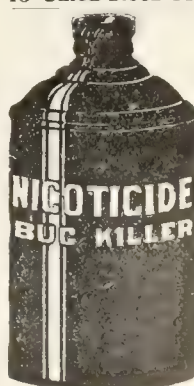
Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Tobacco Paper **"NICO-FUME"** **LIQUID**
 IS THE
STRONGEST,
BEST PACKED,
EASIEST APPLIED.

Furnishes the
Most Nicotine for the Money

... Manufactured by ...
THE KENTUCKY TOBACCO PRODUCT CO., **Louisville, Ky.**

By far the
CHEAPEST.
JUST NOTE PRICE!

24 sheets.....\$ 0.75	Pint.....\$ 1.50
144 sheets..... 3.50	1/2 Gallon..... 5.50
288 sheets..... 6.50	Gallon..... 10.50
1728 sheets..... 35.10	5 Gallons..... 47.25

FOR "POT LUCK" TRY US...
HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16 1/2 lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
 20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

Sole Distributor **E. H. HUNT,** **76-78 Wabash Ave., CHICAGO.**

**GREENHOUSES BUILDING OR CON-
 TEMPLATED.**

Dayton, Ohio.—Harry Tredway, one house.

Scranton, Pa.—Ira G. Marvin, one house.

Lancaster, Pa.—Fred Ritchey, two houses.

Huntsville, Ala.—John Scott, range of houses.

Baltimore, Md.—Frederick C. Bauer, two houses.

Milwaukee, Wis.—Strothenke & Son, five houses.

Lexington, Ky.—Anderson & White, conservatory.

Cumberland, Ind.—Bertermann Bros. Co., one house.

Strawberry Point, Ia.—Fred Ullman, house 43 x 83 feet.

Grosse Point, Ill.—N. Hermes, four houses 23 x 130 feet.

Missoula, Mont.—Missoula Nursery Co., range of houses.

Lafayette, Colo.—Cannon Floral & Seed Co., two houses.

Grosse Point, Ill.—J. P. Jennelsten, three houses 23 x 200 feet.

Ironwood, Mich.—R. Lutey, Ironwood Greenhouses, two houses.

Chicago, Ill.—Peter Endre, five houses 23 x 150 feet; one 11 1/2 x 150 feet.

Mount Washington, Md.—James Hamilton, asparagus house 24 x 100 feet.

Springfield, Ohio.—Leedle Rosary, house 30 x 300 feet of Dietsch construction.

Troy, Ohio.—L. A. Thomas, addition. Elmhurst, Cal.—E. James, house 30 x 100 feet.

Newton Falls, Ohio.—C. E. Tinker, house 28 x 100 feet. Lord & Burnham semi-iron construction.

Columbus, Ohio.—Ohio State School for the Blind, one house. John C. Moring Co., construction.

New York, N. Y.—George W. Perkins, Independence Ave. and 252d street, three houses 22 x 50 feet.

Glenside, Pa.—Victor Roekens, Edge-wood Greenhouse, addition. A new horizontal boiler will also be installed.

Philadelphia, Pa.—A. Hall, one house, front section 30 x 36 feet; rear section 24 x 33 feet; to cost \$2500. Lord & Burnham Co. construction.

Buffalo, N. Y.—J. D. Larkin, two houses each 21 x 37 feet. Buffalo Cement Co., Main and Amherst streets, one house 30 x 120 feet. Park Comis-sion, Elmwood avenue, house 20 x 107 feet. All King Construction Co. material.

Holds Glass
Firmly
 See the Point **PEERLESS**
 FULL SIZE
 No 2

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREEB,
 714 Chestnut St. Phila., Pa.

MASTICA
 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
 12 W. BROADWAY
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate	
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.76	
1500 2 1/2 " " " 5.25	120 7 " " " 4.20	
1500 2 1/2 " " " 6.00	60 8 " " " 3.00	
1000 3 " " " 5.00	HAND MADE	
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60	
500 4 " " " 4.50	48 10 " " " 4.80	
456 4 1/2 " " " 5.24	24 11 " " " 3.60	
320 5 " " " 4.51	24 12 " " " 4.80	
210 5 1/2 " " " 3.78	12 14 " " " 4.80	
	6 16 " " " 4.90	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay
for our
Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER
POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
486 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.
Hot Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting and least expensive.
The Foley Mfg. Co.
Western Ave. and 26th St.
CHICAGO, - - ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

Mr. S. J. Goddard, who has a King Iron Frame House, 35 x 200 ft., writes as follows:

Framingham, Mass., Jan. 15th, 1910.

Gentlemen:—

It gives me a great deal of pleasure at this time to tell you that I am perfectly satisfied with your construction. We have just experienced two very bad blizzards. One of them was very severe and the house never as much as trembled. In fact, it is the stiffest house on my place, and you know I have the best of construction on the others.

Wishing you every success,

Yours very truly,
(Signed) S. J. GODDARD.

Send for Bulletin No. 35 Which Describes The King Iron
Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

GLASS Prices Are Climbing
If in need of any, and have delayed buying,
write us at once for prices
Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave. Brooklyn, N. Y.

The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.
Telephone. Fort Hill 2475



The House That Makes Good

Of a certainty that Iron Frame Greenhouse of ours makes the ideal house. It makes the kind of house that not only "looks good" but stands close inspection and comparisons. It must be so because so many of our customers recommend us to their friends. Fortunately, we have houses that fit all conditions and all pocketbooks.

Send for circular and see for yourself.

Hitchings & Company

Designing & Sales Offices
1170 Broadway, N.Y.

General Offices & Factory
Elizabeth, N.J.



Our Curved Eave House Is The House

There are three reasons why—any one of them as plain as the nose on your face: First, its attractiveness impresses you, for that gutterless eave with its graceful curve certainly does appeal to one.

Second, you like the idea of its increased lightness and know at a glance that it must be a great growing house.

Third, you like the way it is constructed and believe that it is practical in every way and without a question as to its durability.

Hooking these facts up to a concern in whom you can place full confidence, gives you a guarantee of securing a house without the usual disappointments.

Perhaps the best thing for you to do, is write us a line, stating the size of house you have been thinking of and so on; then we can send you some advance pages from our new catalogue, or a photo or two that will help you in deciding things. This is a good time to build.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Need Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

JULY 9, 1910

No. 2



NEW YORK FLORISTS' CLUB AT WITZEL'S POINT

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US!**LET'S KNOW U!****SPECIAL****HEAVY WATER-PROOF CREPE PAPER****10 1=2c. per roll. Get in at once.**

Having just closed a contract for a very large quantity of the best quality Water-Proof Crepe Paper in all colors, we offer you a part of this lot, for immediate delivery, at \$105.00, per thousand rolls in lots of one thousand or over, F. O. B. Philadelphia.

This is Special and should advise your taking advantage of A GOOD THING.

TO-MORROW YOU WILL KNOW THAT YOU SHOULD HAVE BOUGHT OUR HEAVY WATER-PROOF CREPE PAPER TO-DAY.

Your order will receive our prompt and personal attention.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY**Importers—Manufacturers—Originators****1220 Race Street,****PHILADELPHIA, PA.***Ask for Samples.***NEPHROLEPIS**

BOSTONIENSIS. We have a splendid lot of large specimen plants in 12-in. pots, at from \$5.00 to \$7.50 each; 6-in. at 50c. each.

ELEGANTISSIMA IMPROVED. The finest of this type, never

reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in., 25c. each; 6-in., 50c. each; 8-in., \$1.00 each.

SUPERBISSIMA. Extra heavy plants, 4-in. pots, 25c. each; 6-in. 50c. each; 8-in., \$1.00 each.

BEDDING STOCK

	Per 100
Abutilon Savitzi, 2¼-in. pots.....	\$4.00
Acalypha Musaica, 2¼-in. pots.....	6.00
Ageratum, three sorts, 2¼-in. pots.....	3.00
Alternantheras, three sorts, 2¼-in. pots.....	3.00
Alyssum, Sweet, 2¼-in. pots.....	3.00
Asters, assorted, 2¼-in. pots.....	3.00
Cannas, finest sorts.—Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan,—strong plants, 3½-in. pots.....	6.00
Cobaea scandens, 2¼-in. pots.....	4.00
Coleus—Golden Bedder, Verschaffeltii, and assorted, 2¼-in. pots.....	3.00

	Per 100
Crotons, assorted, 3½-in. pots.....	25.00
Geraniums—Dbl. assorted and Rose,—3½-in. pots.....	8.00
Geraniums—Mme. Sallerol, 2¼-in. pots.....	5.00
Heliotrope, 2¼-in. pots.....	3.00
Moonflower, 2¼-in. pots.....	4.00
Nasturtiums, assorted, fine, 3-in. pots.....	4.00
Petunias, 2¼-in. pots.....	4.00
Salvia splendens, 2¼-in. pots.....	3.00
Vinca variegata, 3½-in. pots.....	8.00
Hydrangea Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, \$1.50 per dozen.....	
Egg Plants, New York Improved.....	4.00

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

ORCHIDS

Freshly imported in great variety,
arrived in fine condition.

Write for information and prices.

**LAGER & HURRELL, SUMMIT
N. J.**

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

*In ordering goods please add "I saw
it in HORTICULTURE."*

Orchids Fresh Arrivals.

Cattleyas—Trianae, Schroederæ, Mendelii, Gigas Sanderiana, Gigas Percivalliana, Speciosissima and Aurea. **Miltonias** Vexillaria and Rozellii. **Dendrobiums** Thysitlorum, Cambridgeanum, Crassinode, Renanthera Imschootiana. **Cypripedium** Bellatulum and Charlesworthii.

Ready for Potting.

G. L. FREEMAN CO.
FALL RIVER, MASS.

Successors to G. L. Freeman.

**ORCHIDS
Just Arrived in Fine Condition**

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; **Laelia** purpurata, L. cinnabarina; **Cattleya** citrina Odontoglossum grande.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L. Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**

GERANIUMS

We are Headquarters. A Critical Inspection of Our Stock Invited

GOOD STANDARD VARIETIES, from 2 in. pots, \$2 per 100, \$18.50 per 1000;
from 3 in. pots, \$3 per 100, \$25 per 1000.

Let us book your order for next season. We have an immense stock ready

R. VINCENT, JR. & SONS CO., White Marsh, Md.

GARDENIAS

2½-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots, \$20.00 per 100.

CANNAS—Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$8.00 per 100.

Asparagus Plumosus Seedlings, \$1.00 per 100, \$10.00 per 1000.

Asparagus Sprengeri Seedlings 50 cents per 100, \$5.00 per 1000.

SMILAX 2½-inch pots, \$2.50 per 100, \$20.00 per 1000.

A. N. PIERSON, Inc.

CROMWELL, CONN.

ORCHID PEAT

Osmunda Fibre

Either the black or brown grade, in chunks or handpicked, in bags or barrels, ready for the orchid grower.

LIVE SPHAGNUM MOSS, ROTTED or AZALEA PEAT, LEAF MOLD, BALED SPHAGNUM MOSS, all of fine quality.

The C. W. BROWNELL CO.

Walden, N. Y.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots, ... \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

CHRYSANTHEMUM CUTTINGS

The best cuttings that can be had, and at right prices.

Now booking orders for early delivery.

WHITE			YELLOW		
	Per 100	Per 1000		Per 100	Per 1000
Oct. Frost.....	\$2.00	\$15.00	Monrovia.....	\$2.00	\$15.00
Touset.....	2.00	15.00			
Wanamaker.....	2.00	15.00	Oct. Sunshine ...	2.00	15.00
White Cloud.....	2.00	15.00	Appleton.....	2.00	15.00
PINK			Y. Eaton.....	2.50	20.00
Balfour.....	2.00	15.00	Halliday.....	2.00	15.00

Carnation cuttings in best varieties, also, BEACON one of our best.

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

CHRYSANTHEMUMS

Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application or our selection.

\$3.00 per 100. \$25.00 per 1000. 25 at 100 rate. 250 at 1000 rate.

ELMER D. SMITH & CO., - - **Adrian, Mich.**

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

Whitmani Ferns

2½ in. \$5.00 per 100, \$40.00 per 1000, 250 at 1000 rates. From bench, 5 and 6-in. at 25c. each.

Magnifica, 2½ in. \$15.00 per 100.

H. H. BARROWS & SON
Whitman, Mass.

CHRYSANTHEMUMS

Fine stock from 2½ and 2½ in. pots.
Golden Chadwick, Golden Eagle, Virginia Poehlmann, from 3-in. pots, \$6.00 per 100.

J. W. Childs, Lynnwood Hall, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Early Snow, Grace Witney, Golden Glow, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, Jeannie Nonin, J. E. Lager, J. H. Troy, Maud Dean, Meta, Monrovia, Mrs. S. T. Muddock, Moneymaker, Miss. A. Laurent, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Major Bonaffon, Mme. Bergeman, Nagoya, Polly Rose, Riverside, Robt. Halliday, The Harriott, Timothy Eaton, W. H. Lincoln, White Bonaffon, Wm. Duckham, White Shaw, fine stock, \$3.00 per 100; \$25.00 per 1000

WOOD BROTHERS, Fishkill, N.Y.

CANES

FOR YOUR

MUMS

\$7.00 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

GARDENIAS

We can quote you in any quantity, 3 in., \$18.00 per hundred, 2 1/2 in., \$12.00 per hundred.

Getting down on 'Mums, but still have a few thousand at \$25.00 per thousand.

Charles H. Totty
Madison, N. J.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Pot Grown Strawberry Plants

We shall have about 50,000 pot grown Strawberry Plants ready to ship during July. These are strong well rooted plants and if you are setting plants this season it will pay you to look these up before purchasing elsewhere. Remember that in buying from us you get plants direct from grower to consumer. No middle man.

Send for our price list

WILFRID WHEELER,
Tel. 154-3 Concord, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

JAPANESE CO.
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Rose Conrad F. Meyer



Good hardy roses are none too plentiful and any addition to the number which will succeed in our trying climate is always welcome. The above is one of the most beautiful that has been introduced for several years and, though not new, it is far from being so well known as it deserves. The accompanying photograph was taken from a specimen growing in the interesting garden of Mr. Charles W. Parker at Marblehead Neck Mass., where so many good shrubs and plants are to be seen, and though it does not depict how remarkably floriferous this variety is one is able to realize its vigorous constitution. When I saw this bush it was carrying fully one hundred and fifty expanded flowers with innumerable buds and presented a sight not soon to be forgotten. The color is an exquisite salmon-pink, deeper in the centre, and either as a partly opened bud or when fully expanded it is excellent. The foliage is large and a dark glossy green color. This rose is a strong grower, the bush in question being over six feet high, and is extremely fine as a single specimen, but I think it has great possibilities as a bedding variety where good bold effects are desired.

Arthur. E. Thatcher

Foreign Notes

MONS. AUG. NONIN

This well known French chrysanthemum grower and seedling raiser who occupies the position of President of the Paris Chrysanthemum Committee has recently been appointed a Knight of the Legion of Honor. So high a distinction seldom falls to the lot of a chrysanthemum grower and "mummers" the world over will rejoice with M. Nonin's many personal friends at the high appreciation that the French Government has

shown for his many years work in the cause of a popular flower that has done much to make French horticulture famous.

THE PARIS FLOODS

On account of the disastrous effects of the floods caused by the abnormal rising of the Seine last winter, the National Horticultural Society of France started a subscription list in order to help the nurserymen and gardeners who had suffered thereby. The list has just been published by which it appears that about \$7500 have been collected and distributed amongst the sufferers.

FOUR CENTURIES OF FRENCH GARDENS

The Spring number of the "La Vie a la Campagne" is specially devoted to a literary and historical account of French gardening during the past four centuries. The number is fully illustrated with portraits of eminent gardeners, with views of celebrated French gardens, with plans and designs of every description besides many quaint reproductions relating to gardening subjects from rare old horticultural books published during the period named. The text is chiefly by M. Albert Maumene, M. A. Duchene and M. Geo. Gibault the last named being the Librarian of the National Horticultural Society of France and a great authority on the literature and history of French horticulture.

FRENCH CHRYSANTHEMUM SOCIETIES

There seems to be some rivalry between the two French Chrysanthemum Societies and the endeavor in each case would appear to be which one should first attain a membership of 1000. The older society, viz. La Societe Francaise des Chrysanthemistes, according to its latest bulletin now numbers 818, while the younger society—L'Association Francaise des Amateurs et Jardinier Chrysanthemistes in its latest number of the Revue Chrysanthemiste can now boast of 1024 members. The Association Francaise is only about three years old.

GREAT INTERNATIONAL HORTICULTURAL SHOW, LONDON, 1912

As a result of a public meeting held early in the year a large and representative Committee has been formed for the purpose of organizing a great International Horticultural Show in London in two years hence. Nothing of the kind has taken place since 1866 and the Committee is now in active work preparing the details. The Show will probably take place in the month of May. Garden produce of all kinds will be invited from growers all over the world.

CHRYSANTHEMUM CONFERENCE

In connection with the Paris Autumn Show next November, there will be an International Chrysanthemum Conference. The subjects for consideration will be a pocket edition of the *Pepertoire de Couleurs*, the influence that the time when cuttings are taken and stopping has upon the taking of the buds, insects and diseases, damping of the blooms, manures for culture in the open air, history and the packing of blooms, etc.

ANOTHER YEAR BOOK

Among the numerous special horticultural societies, several publish annually a Year Book. The latest addition is contributed by the Perpetual Flowering Carnation Society which has issued to its members gratis "The Carnation Year Book 1910."

Clara M. Payne

HORTICULTURE

VOL. XII

JULY 9, 1910

NO. 2

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—New York Florists' Club at Witzel's Point.	
ROSE CONRAD F. MEYER—Illustrated—Arthur E. Thatcher	37
FOREIGN NOTES—C. Harman Payne.....	37
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Asters; Cyclamen; Freesias; Mignonette; Painting Inside; Pot Roses for Flowering—John J. M. Farrell	39
SWEET PEA SHOW AT PHILADELPHIA.....	39
CLUBS AND SOCIETIES:	
National Sweet Pea Society—American Gladiolus Society—North Shore Horticultural Society—New Orleans Horticultural Society.....	40
Society of American Florists—Club and Society Notes	41
AMERICAN PEONY SOCIETY—President's Address... ..	44
Report of Nomenclature Committee.....	45
ROYAL HORTICULTURAL SOCIETY—Frederick Moore	46
A VISIT TO MARION—Illustrated.....	41
HERBACEOUS PLANTS—C. S. Harrison.....	42
A RECORD BREAKING APPLE TREE—Illustrated... ..	43
THE ORCHID AS A COMMERCIAL PROPOSITION—Alphonse Pericat.....	46
SEED TRADE—Erford L. Page, Portrait.....	48
OF INTEREST TO RETAIL FLORISTS:	
Detroit—Washington—Steamer Departures — New Flower Stores.....	50
Flowers by Telegraph.....	51
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati.....	53
New York, Philadelphia	55
OBITUARY:	
Thomas W. Dee—Louis A. Smith—Mrs. Malvina Sapina Geng.....	60
MISCELLANEOUS:	
Carnation Countess Knuth.....	43
Waretown Visitors—Illustration	45
A Little Learning—G. C. W.....	48
Incorporated	48
Poppies and Primroses.....	48
Chicago Notes.....	51
Philadelphia Note;—Cincinnati Personals.....	55
Personal	55
Publications Received.....	60
Greenhouses Building or Contemplated.....	62
Patents Granted—News Notes.....	62

But five weeks intervene between now and the time when we shall be packing up for Rochester. On general principles there is talk of a good attendance, at least from Eastern points, and information at hand shows that a grand exhibition is assured. But what has become of the publicity bureau? A little "advance agent" activity would not be amiss. Wake us up, gentlemen, and tell us what is going on and what's in store for us. It's time to start the overture.

Centralization
without absorption

President Robinson in his address before the American Seed Trade Association, congratulated that body on the perfect harmony pre-

vailing between the Association and its sister organizations—the Wholesale Seedsmen's League and the Wholesale Grass Seed Dealers' Association. Each having a special field of operation, he believed it to be better able to care for its individual interests than the parent organization whose work must necessarily be of a more general character and maintained that these lesser bodies could organize for special work without detracting in the least from the strength and efficiency of the latter, which should always stand ready to extend a helping hand. This, it has always seemed to us, is good principle and good logic as applying to the relationship between the Society of American Florists and the organizations of specialists which have sprung up from time to time among those who are its members or should be, and the proper attitude of the latter to the great national society. The problem of the relationship of these bodies, which has been, at times, a somewhat disturbing element, if it is ever settled, must be settled on the lines of cooperation and mutual recognition of the usefulness of each in its particular field, the general society being accorded a paramount importance as embodying and safeguarding the combined interests of all. This is a position which the S. A. F. is conspicuously fitted to occupy because of its unique possession of a national charter.

The long-
credit evil

While on the subject of President Robinson's address we might further call attention to his remarks on the prevalent custom of long credits on garden seed which he characterized as "a relic of the old days and out of line with present day business methods." What business man is there, who reads these lines, who has not felt the actual pinch of poverty while at the same time his ledger was fairly bristling with overdue accounts receivable? If there is such a one he must be well within the millionaire class. Least satisfactory of the various expedients adopted with the idea of securing a more expeditious transfer of accounts from the ledger to the cash book is the plan of cash discounts which puts a premium upon what is simply a duty, is taken advantage of only by those who would pay promptly anyway as a matter of principle, makes a serious encroachment on legitimate business profits and leaves the slow payers just where they were. Much has been said of late, in advocacy of shorter credits and a nearer approach to a cash system in all lines of horticultural industry but it is a hard nut to crack and thus far the agitation does not appear to have produced any tangible result. Plainly the reformation should begin with the retail dealer, for it is he who controls all the inlets through which the money must enter which is to support wholesaler, jobber, manufacturer and producer and all who are dependent upon them. Until the retailer gets seriously to work with this reform in view not much general improvement can be expected.

Our Sixth Annual Convention Number

Will be issued under date of August 13, 1910. It will be full of interest for those who go to the Convention at Rochester, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space. You'll find yourself in good company.

It Pays

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Asters.

The first buds that show should be nipped off. By so doing you will have a greater percentage of long-stemmed, first-class flowers. Pinching the first central bud will always pay. Those who have adequate means for watering should, just as soon as the buds begin to form, give great quantities of water, and if the season is dry continue right along through the cutting period. From now on they should not be disturbed at the roots any more than is necessary, just to keep the ground from cracking and free of weeds. Keep a watch out for the aster beetle. His presence can be known by the punctured leaves. As soon as this is seen spray with a teaspoonful of paris green to a pail of water. This should be done two or three times before the buds open.

Cyclamen.

This important and beautiful plant is very often bound to be neglected in this season of busy rush. These plants should now be in 4-inch pots and in quarters where they will have abundance of light and air. The full blaze of a July or August sun is bound to stunt and cripple them and they should be spared this exhausting ordeal by some sort of shading during the bright and hot hours of the day, say from about 9 a. m. till 4 p. m. Plenty of air and watering regularly are among their principal requisites, and syringing overhead should be followed up on all bright mornings in order to help to keep down thrips and red spider, also weekly fumigation so as to prevent the aphids from getting a hold, for they sometimes are a very persistent pest on the cyclamen. The plants should be shifted when the pots get filled with roots till they have reached a 6 or 8-inch pot. As to soil they like a firm sod that is well decayed, using about two parts of this and two parts leaf mold, with about one part of some well-rotted cow manure. Cyclamens call for good drainage in all cases.

Freesias.

Whenever it is possible to spare a bench these bulbs should be planted, for the sooner they are planted the finer their blooms will be next winter. It is of great importance that they have a light and sunny bench. The soil should be of a friable, porous nature. A good compost should consist of three parts of sandy sod to one part of old cow manure, and some air-slaked lime or gypsum, all thoroughly intermixed. The corms can be planted in rows or hills; 5 or 6 inches apart by 2 or 3 inches in the row is about right. When using the hill system they may be planted half a dozen in a hill, these forming regular rows across and lengthwise of the bench. This plan affords a greater convenience in stringing and the picking of the flowers. After they are planted give the bench a good watering so as to run through. Never let them become dry if you wish to grow first-class freesias. A winter temperature of 50 to 55 degrees suits them very well.

Mignonette.

If you want to cut good mignonette sow the seed now. If you can sow the seed directly into the bench where they are to grow it is the best course to pursue. Sow a pinch of seed about a foot apart each way, and when they

are up good and strong you can thin to two seedlings and a little later to one. They like a heavy but open loam, generously enriched with manure. If you are going to grow on benches now taken up by chrysanthemums, in about a month start the seeds in 2½-inch pots and shift as required up to 4 or 5-inch pots, and then you can transfer these plants to the benches as they are cleared off. Mignonette should have the fullest light as soon as the seed is germinated, with an abundance of ventilation on all favorable occasions. By planting in a house where the temperature can be kept near to 45 degrees you will have stout and heavy spikes. Keep a lookout for the green worm.

Painting Inside.

Every up-to-date florist should see that the interior of his houses is kept in sweet and clean condition. At no time of the year are the facilities for painting better than in July and August. The planted stock is yet small, so it will be quite easy to fix a scaffold over them and paint on the inside of your houses. The heat and glaring rays from the sun can be modified by the use of a portable shade of canvas which can be moved along as the work progresses. This painting will destroy most, if not all, of the lurking insects which have taken shelter in the various parts of the house. In short, painting makes a new house by making it lighter and cleaner and will pay for the material and labor involved.

Pot Roses for Flowering.

I think that potted roses intended for next winter's forcing or for the plant trade in the spring do better if kept in the greenhouse during the summer. When they have completed their growth they can be removed to some outdoor frames so they can fully ripen their wood; and it is a point that should not be questioned by any florist. A rose dug up and potted late in the fall, dormant and inactive, cannot put forth working roots in sufficiency to stand the ordeal of hard forcing as well as pot-grown roses, which are firmly established in their pots and provided with a solid ball of active roots before being subjected to forcing. Each method has its good and bad points. With field culture there is very little to be done beyond keeping the ground clear of weeds and surface cultivation. The objection against pot culture is that they entail much extra care and labor, but the greater ease with which the pot-grown are forced should outweigh all objections.

JOHN J. M. FARRELL

Mr. Farrell's next notes will be on the following: *Aspidistra*; *Calceolarias*; *Chrysanthemum Routine* Work; *Cypripediums*; *Bonvardias*; *Pansies*.

SWEET PEA SHOW AT PHILADELPHIA.

The annual Sweet Pea Show of the Pennsylvania Horticultural Society was held on June 30th. A very good showing was made—the lower hall being comfortably filled. There was also an excellent display of hardy perennials. The feature of the show was the exhibit by W. Atlee Burpee & Co., who put up eighty-four vases of magnificent sweet peas—far superior to anything ever seen here before. The weather has been more favorable than usual this year and that combined with improved cultural methods made the grand showing possible. The principal prize winners were: J. W. Pepper, gardener Wm. Robertson; Miss Ger-

trude Ely, gardener Robt. Snyder; C. B. Newbold, gardener Samuel Batchelor; Geo. H. McFadden, gardener D. Aiken; Countess Eulalia, gardener Thos. Gaynor; Colonel Edw. De V. Morrell, gardener Thos. Roberts; Mrs. Chas. Wheeler, gardener Wm. Fowler; Mrs. F. C. Penfield, gardener Jno. McCleary. A collection of dahlias was staged by Miss Gertrude Ely. These were mostly of the decorative and cactus types, and were very creditable for this season; awarded special mention. A certificate of merit for culture was awarded the Burpee exhibit. The judges were Harry A. Bunyard of New York, Secretary of the National Sweet Pea Society, Wm. Graham and A. E. Wohlert of Philadelphia.

We append a list of the varieties in the Burpee exhibit, many of which as will be seen, are not yet generally in commerce but will be soon, and as they are all considered improvements it is well for growers to make a note of them:

Spencer Type—America Spencer (Ready, 1911); Audrey Crier (Breadmore, 1908); Apple Blossom Spencer (Burpee, 1908); Asta Ohn (Morse, 1909); Aurora Spencer (Burpee-Morse, 1909); Beatrice Spencer (Morse, 1909); Capt. of the Blues Spencer (Morse, 1909); Colleen (W. Deal, 1910); Constance Oliver (Lumley, 1908); Countess Spencer (Sydenham-Cole, 1904); Dainty Spencer (Bath, 1909); E. J. Deal (Johnson, 1910); Earl of Plymouth (Baker, 1909); Evelyn Hemus (Hemus, 1908); Flora Norton Spencer (Morse, 1909); Florence Morse Spencer (Morse, 1908); George Herbert (Breadmore, 1907); George Stark (Stark, 1910); Gypsy Queen (Watkins & Simpson, 1909); Helen Lewis (Breadmore-Watson, 1906); King Edward Spencer (Burpee, 1909); Lady Althorp (Cole, 1906); Lovely Spencer (Morse, 1909); Lady Hemus (Hemus, 1908); Maggie Stark (Stark, 1909); Marie Corelli (Burpee-Morse, 1910); Marjorie Willis (Lumley, 1908); Masterpiece (Dobbie, 1910); Menie Christie (Dabbie, 1908); Miriam Beaver (Burpee-Morse, 1910); Mrs. Andrew Ireland (Dobbie, 1909); Mrs. Charles Foster (Baker, 1907); Mrs. Charles Mander (Baker, 1907); Mrs. Henry Bell (Bolton, 1908); Mrs. Hugh Dickson (Dobbie, 1910); Mrs. Routzahn (Burpee, 1910); Mrs. R. W. Pitt (Stark, 1909); Mrs. Sankey Spencer (Morse, 1909); Nancy Perkins (Perkins-Unwin, 1910); Olive Ruffell (Stark, 1908); Othello Spencer (Burpee-Morse, 1909); Paradise Ivory (Hemus, 1907); Primrose Spencer (Burpee, 1908); Princess Victoria (Dobbie, 1908); Queen Victoria Spencer (Burpee, 1909); Ramona Spencer (Morse, 1909); Senator Spencer (Burpee-Morse, 1910); Sunrise (Gilbert, 1909); Sutton's Queen (Sutton-Rothera, 1908); Tennant Spencer (Morse, 1909); The Marquis (Dobbie, 1908); W. T. Hutchins (Burpee-Morse, 1910); White Spencer (Burpee, 1908).

Unwin Type—A. J. Cook (Unwin, 1907); Chrissie Unwin (Unwin, 1908); E. J. Castle (Unwin, 1907); Frank Dolby (Unwin, 1907); Gladys Unwin (Unwin, 1905); Mrs. Alfred Watkins (Unwin, 1907); Nora Unwin (Unwin, 1907); Phoenix (King, 1909).

Grandiflora Type—Agnes Johnston (Eckford, 1909); Dorothy Eckford (Eckford, 1903).

New Varieties—Ethel Roosevelt, A. B. Bantock, Seedling Spencer 12, G. W. Kerr, Martha Washington, Magnificent, Zebra.

CLUBS AND SOCIETIES

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The exhibition and convention of the National Sweet Pea Society will be held on the 12th and 13th of July, at the St. Nicholas Rink, 66th street and Columbus avenue, New York City, easily reached by the subway, elevated or surface cars which practically stop at the door.

W. T. Hutchins, Prof. Beal of Cornell University, and W. C. Kerr, will act as judges. There will also be papers by W. T. Hutchins and others.

Following is the prize schedule.

President Harry Turner's Cup—For the best 25 vases of sweet peas.

The W. Atlee Burpee Cup—For the finest and largest collection of sweet peas.

The W. Atlee Burpee Prizes—For vase of waved or Spencer type sweet peas introduced 1910. First prize, \$5.00; second, \$3.00; third, \$2.00.

W. W. Rawson & Co.'s Prizes—Silver Gilt Medal, for a vase of sweet peas never before exhibited or disseminated, of American origin. Silver Medal for the best 25 vases Spencer or Unwin types; exclusively open to the trade only. Silver Medal for the best 20 spikes of sweet peas Rawson's Snowflake. Bronze Medal for the best three vases comprising white, lavender and pink; open to amateurs only. Silver Medal for the most successful exhibitor among the amateur classes.

Watkins & Simpson's Prize, value \$10.00—For the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle.

Arthur T. Boddington Prizes, a silver challenge cup, value \$50.00—\$25.00 to the winner of the cup; second, \$15.00; third, \$10.00. For a collection of sweet peas, 25 varieties.

Henry A. Dreer Prizes—For 21 vases of sweet peas, the 21 incomparable standard varieties as enumerated in Dreer's Garden Book for 1910. First prize, \$20.00; second, \$5.00.

Jerome B. Rice Seed Co.'s Prizes—For vase of white sweet peas. First prize, \$5.00; second, \$3.00; third, \$2.00.

The Peter Henderson & Co.'s Prizes—For amateur exhibitors only. For the best and most distinct collection of 25 varieties of sweet peas, including not less than six of the Spencer type, \$10.00. For the two best vases of George Washington and Martha Washington sweet peas, each vase to contain not less than 25 sprays, \$10.00.

The Henry F. Michell Co. Prizes, \$10.00—For three vases of sweet peas (one vase of each variety) Frank Dolby, White Spencer, Mrs. Alfred Watkins. First prize, \$5.00; second, \$3.00; third, \$2.00.

The C. C. Morse & Co.'s Cup—For the finest collection of sweet peas, open to the trade only.

The Florists' Exchange Prizes—For vase of Countess Spencer. First prize, \$3.00; second, \$2.00.

F. R. Pierson Co.'s Prizes—For 12 vases of sweet peas. First prize, \$10.00; second, \$5.00.

The Aphine Mfg. Co.'s Prizes—For collection of sweet peas, open to florists only. First prize, \$15.00; second, \$10.00.

The C. Zvolanek Prize—For the best 10 vases of Spencer and Unwin types, \$10.00.

The John Young Prize—For the best vase of sweet peas never before exhibited, \$5.00.

Stumpp & Walter Prizes—For three vases of sweet peas Spencer type. First prize, \$5.00; second, \$3.00; third, \$2.00.

The J. M. Thorburn Co.'s Prizes—For vase of pink sweet peas. First prize, \$5.00; second, \$3.00; third, \$2.00.

The John Lewis Childs' Prizes—For vase of white sweet peas. First prize, \$5.00; second, \$3.00; third, \$2.00.

The Sutton & Sons' Cup (Reading, Eng.)—For the best table of sweet peas to be arranged on a space four by three feet and not to exceed three feet in height.

For further information write to Harry A. Bunyard, Secretary, 342 West 14th St., New York City.

AMERICAN GLADIOLUS SOCIETY.

There was a meeting of the executive committee June 27th in New York and the following exhibition committee was appointed to take charge of the coming show at Rochester, New York, Aug. 16-19: H. Youell, chairman, Syracuse, N. Y.; Arthur Cowee, Berlin, N. Y.; E. H. Cushman, Sylvania, O.; L. Merton Gage, secretary, Orange, Mass. It was also decided that amateurs or private gardeners would not be required to pay for space for their exhibits and that such space would be paid for by the society.

President Hendrickson has appointed a membership committee comprised of the following gentlemen: J. B. McArdle, 50 Barclay street, New York; Wm. Cahill, Bolton street, So. Boston, Mass., and E. E. Stewart, Rives Junction, Mich.

There are now twenty-one prizes offered for our exhibition, eight of which are in the amateur class, which include since my last report two more—silver cup by Montague Chamberlain, Groton, Mass., for six best named varieties, one bloom each, exhibited by an amateur, and silver cup by L. Merton Gage, Orange, Mass., for best collection of blue gladioli exhibited by an amateur.

The following awards have also been placed in the amateur class:

F. R. Pierson, Tarrytown, N. Y., \$5.00 for best collection of white-throated named varieties; \$5.00 for best collection of mottled and striped varieties.

Stumpp & Walter Co., \$10.00 for 12 best varieties, 3 spikes each.

A. T. Boddington, New York City, \$5.00 for best collection of yellow named varieties.

John Lewis Childs, Floral Park, N. Y., \$5.00 for best vase of America, not less than 12 spikes.

Rules Governing the Exhibition.

1. All entries must be made to the recording secretary (L. Merton Gage) three days before the first day of the exhibition, on blanks provided by the secretary for the purpose.

2. Exhibits in competition for prizes must be of the exhibitor's raising.

3. Exhibits must be in place before 12 (noon) each day on which exhibits are to be judged.

4. Exhibitors are requested to keep their flowers in fresh condition during the time the exhibition remains open.

5. Exhibitors will be awarded but one premium in each class in which they compete and then only when the exhibits on their merit warrant the judges in making awards.

6. While the Society will take reasonable care of the property of the exhibitors, yet it will not in any way be responsible for the loss or damage of anything exhibited.

7. Exhibits after being staged cannot be removed until the exhibition is closed, without the consent of the exhibition committee.

8. The Society requests exhibitors to attach labels to exhibits. Correct naming of varieties is very important.

9. Exhibitors will be requested to provide tables and everything else necessary for table decorations.

10. In entering, every exhibitor agrees to be governed by the rules.

L. MERTON GAGE, Cor. Sec.
Orange, Mass., July 2.

NORTH SHORE HORTICULTURAL SOCIETY.

The annual rose and strawberry show held last week at Beverly Farms, Mass., was the best ever given by the Society at this season. It was held in a tent, which was effectively decorated. Miss Helen Hooper, gardener Wm. Swan, won the silver medal for group of flowering plants and the Rawson medal for the most successful competitor. The Lord & Burnham gold medal for general collection of greenhouse plants was won by Mrs. Lester Leland, gardener Eric Witterlow. The dinner table decorations were a beautiful feature. The first prize winner was by Mrs. Geo. E. Cabot, pale blue delphinium and white roses being the flowers used. Mrs. B. Hammond Tracy won second with an arrangement of centaureas and gypsophila. Mrs. Jas. McMillan was third and Mrs. E. C. Swift fourth. It will be noticed that these winning tables were all by ladies. The local paper calls special attention to this fact and duly praises the ladies for their taste, inferentially taking a little fall out of the sterner sex who, we should say, merited the jab. The W. E. Doyle gold medal for roses was won by Miss A. G. Thayer, gardener James McGregor. The Eagle Head cup for roses was won for the second time by Miss Helen Hooper and now becomes her property. The medal for herbaceous flowers was won by Blue Hill Nurseries. Among the trade exhibitors prominently represented were R. & J. Farquhar & Co., Lager & Hurrell, A. Leuthy & Co. and Thomas Roland.

There were many fine exhibits filling the classes for sweet peas, peonies, campanulas, vegetables, strawberries, etc., and the prizes were well merited. Limited space prevents a full enumeration.

NEW ORLEANS HORTICULTURAL SOCIETY.

The last monthly meeting of this Society was held at the usual place and time, with a good many members in attendance. President Alost is at present in Europe and as Vice-President Doescher was not in evidence the old experienced Ed. Baker held down the chair. After the committees' reports had been heard the Society voted to have its annual outing on the afternoon of the next monthly meeting, and the venue one of the lake resorts. The new officers will be elected at this meeting and a banquet will follow and wind up the festivities. A big attendance is expected and a good time is assured. Richard Eichling had a nice exhibit of cut asters, Liliun speciosum and Iris Kaempferi, the latter of which he claimed grew well in the South and found a ready sale in the store. J. A. Newsham had forwarded nice spikes of two *Oncidiums*, viz., *leucochilum* and *Wentworthianum* which were much admired. Abele Bros. brought to the notice of the members their sport of *Nephrolepis Barrowsii* which they have had for two years. The ends of the fronds are divided into long tassels which give the

plant a graceful drooping appearance. They have quite a stock of it and so far it has shown no signs of reverting back to type.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

At the mid-Lent meeting of the Executive Board the following resolution was passed:

"Resolved, That if five or more members write to the Secretary expressing an especial interest in any floricultural topic and request the organizing of a section devoted to that subject the Secretary shall assign a place on the program to that topic and shall designate it by a suitable name as a separate section."

A place on the program has been reserved for such sections and the Secretary will be pleased to hear from any members who wish the organization of such a section.

H. B. DORNER, Secretary.

June 30, 1910.

CLUB AND SOCIETY NOTES.

The Muskingum County Horticultural Society of Zanesville, O., which has been organized for many years was recently incorporated at Columbus, O., by S. R. Moore and others. This incorporation is to give the society legal standing and a definite basis.

Miss Meinhardt, president of the Ladies' Society of American Florists, has appointed Mrs. Richard Vincent of White Marsh, Md., on the board of directors to fill out the unexpired term of Mrs. W. J. Vesey, deceased.

MRS. CHAS. H. MAYNARD, Sec'y.

On Saturday, July 2, an impromptu exhibition of Japan irises was made at Horticultural Hall, Boston, from the estates of Mrs. John L. Gardner and Wm. Whitman. The flowers were superb and recognition was given by the award of the Massachusetts Horticultural Society's silver medal to the first named and bronze medal to the latter.

The New Bedford, Mass., Horticultural Society held a very successful Rose Show on June 23. James Garthley, superintendent of the H. H. Rogers estate was a leading contributor of roses. Wm. Keith, gardener for Thos. M. Stetson, showed excellent decorative plants. Miss Sarah B. Fay and M. H. Walsh of Woods' Hole exhibited fine roses. At the close the flowers were auctioned off by A. E. Hathaway by request of the exhibitors and enough was thus realized to pay the expenses of the show.

The annual exhibition of the Montreal Horticultural Society and Fruit Growers' Association of the Province of Quebec will take place in Montreal on September 7 and 8. An unusually fine prize list is offered this year and as great interest is now shown in the affairs of the Society the show should be an exceptionally successful one. The garden competition is a feature of this year's work; entries closed on June 30. The officers of the Montreal Horticultural Society are honorary president, Senator Mackay; honorary first vice-president, L. J. Forget; honorary second vice-president, Wm. Miller Ramsay; president, R. Wilson; vice-president, James Morgan.

A VISIT TO MARION, MASS.



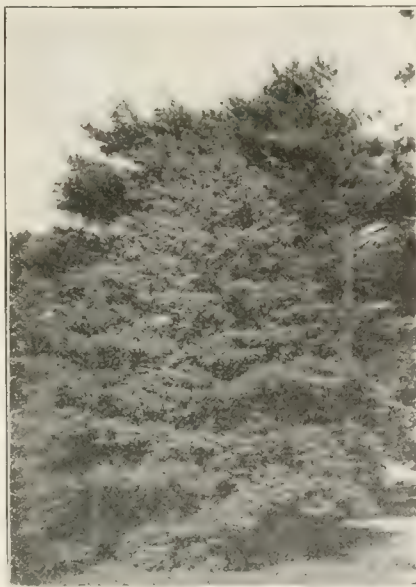
Seated: Col. H. E. Converse; Chairman, C. W. Parker; Secretary, W. C. Rich.
GARDEN COMMITTEE OF MASS. HORTICULTURAL SOCIETY, GUESTS OF COL. H. E. CONVERSE, MARION, MASS.

The writer had the privilege a few days ago, of a visit to the picturesque estate of Col. H. E. Converse, at Marion, Mass. Marion is a beautiful summer resort richly clothed naturally with oak and pine woods and resplendent with elaborate gardens, villas and all the evidences of affluence. Col.

tendent D. F. Roy, who for many years had charge of the old Converse family estate at Malden, Mass., and whom, Col. Converse says, it took six years of urging to get him to pull up stakes and go to Marion. Relations between employer and employe are here of the most cordial character amounting to an affectionate comradeship, and as the natural beauties of the grounds are developed under Mr. Roy's experienced supervision he is in hopes to eventually make his employer as enthusiastic a horticulturist as he is yachtsman.

The ground is undulating, gradually rising as it recedes from the shore and is heavily clothed, principally with a luxuriant growth of oaks, of which an unusual number of species and varieties are present, and the usual undercarpeting of vacciniums and other things characteristic of the New England coast. Skirting the woods along the driveways which traverse the grounds Rhododendron maximum has been freely planted and grows splendidly. There is a sprinkling of pines and many fine old native hollies of surprising symmetry and robust vigor, some of the trunks of the latter being from 12 to 18 inches in diameter, and the trees not less than 25 feet high.

In looking over Mr. Roy's work for the past year we find a long stretch of old lawn which runs down to the water's edge plowed up and planted to the plebeian crops of cabbage and potatoes, to eradicate the dandelions and other weeds which had usurped it and next season it will be again sown with lawn grass. A vegetable and fruit garden has been laid out, over 200 tons of stone having first been removed from the ground. The ocean winds are a factor to be reckoned with in territory so exposed, and much of the material planted this year is by way of experiment, while a heavy privet hedge has been set out all about. A new tennis court recently finished has been



American Holly at Marion, Mass.

Converse's estate comprises 80 acres stretching along the shore of Buzzards Bay and commanding a superb view of the broad expanse of water, where its gracious and hospitable proprietor indulges to the fullest extent in his favorite pastime of yachting.

The work of improving and embellishing the grounds, which, under a former owner, had received but scant attention is in the hands of superin-

similarly protected. A piece of swamp land has been excavated and transformed into a running stream and aquatic pond with rustic bridge and fringed with waterside shrubbery. A rose garden of considerable extent has been installed, and although this is its first year, gives promise of soon becoming a great attraction. The section about Buzzards Bay and Narragansett Bay is known as the best adapted for garden roses on the entire Atlantic coast. Other features are a flower garden, peony garden and a range of conservatories comprising plant, grape and melon houses. A house of grapes in its second year, well-fruited with big bunches, bears good evidence of Mr. Roy's versatility in gardening skill. With the rate of progress shown for the past year this estate will very soon become one of the principal show places of the famed New England coast resorts.

HERBACEOUS PLANTS.

Paper read by C. S. Harrison of York, Neb., before the National Nurserymen's Convention in Denver, Colo.

Mr. Chairman, Ladies and Gentlemen: I should have an hour or two for my subject, but as I am confined to a narrower space of time I must throw out my thoughts in chunks and let you masticate and digest them at your leisure.

There is a forward movement all around us, you can feel it in the air and hear it on the earth. Utility is giving way to refinement and beauty. Farm and home adornment are coming to the front. The whole land is in the throes of a new birth when symmetry is going to take the place of deformity. Too often the home has been an unsightly carbuncle on the face of nature instead of a fair picture in harmonious frame work matching the splendor of the sky, the freshness of the forest, field, and the lake which flashes like diamonds pinned to the bosom of Mother Earth. The whole world begins to feel like the little girl who went from the unkempt, unadorned farm home to visit some friends who lived in a fine house with a spacious lawn hemmed in with charming trees, with attractive flower beds and everywhere there was a touch of taste and refinement. These things woke up the soul within her and when she got home and was saying her evening prayer she added, "Oh, Lord, can't you give us a little more style?" And that simple prayer has broadened out into a mighty importunity which is reaching to heaven and bringing answers down to earth.

It is strange when the mission of the nurserymen is to proclaim through all the land the evangel of beauty, you will find him lagging in the rear. He does not keep up with the procession or keep step with the age or with God. He doesn't raise choice flowers and plants and fine ornamentals. He says there is no call for them. He is mistaken. The calls last spring took most of the stock and what is left doubled in value. If there was no call it is his business to make one. That is what he is here for.

It is a shame to let the average Tom, Dick and Harry run the nursery business and set the pace for the grandest calling on earth and raise only what they call for. Horticulture should have a higher mission than to secure the

dollar, and yet there are dollars in decency, refinement and improvement. Let your motto be, "Beauty is Wealth," therefore raise a lot of it and be rich.

Don't be the tail of the kite. Be the kite itself and let others do the wagging to keep up with you.

Too often the nurseryman waits for others to write things up and create an interest. Then after awhile he follows on to reap where others have sown, often buying the cheapest and selling at prices which belong to the best.

Seedsmen and florists are often at fault. I know of one firm who buy peonies at from five to ten cents apiece and then push them up to \$1.00, the price for choice ones.

On the grounds of every nursery in these days of progress there should be the finest collection of ornamentals and perennials the world affords which are adapted to the soil and climatic conditions. The nurseryman should stay with them, get acquainted with them himself, have his salesmen understand them. They should be grown where the visiting neighbors can see them.

Perennials

have come to stay. We, in spring time, find the West is located at the busy end of the world. We are in the center of a maelstrom where tremendous activities are surging around us. We cannot bother with annuals. We must have perennials—something that will stay planted.

Providence has kindly marshalled for us a procession of beauty reaching from early spring until the hard frosts of Autumn. The tired wife can rest herself every day in companionship with the finest behaved and best dressed company the earth affords. She can take a vacation in an elysium of her own which is far better and cheaper than a vacation in an asylum, or a longer one in the cemetery. The soul of a woman is starving for communion with beauty. Let her have it. Don't defraud her of her own.

I cannot go into details over propagation and cultivation as we have manuals which give needed information.

First come the Crocus, Narcissus, Tulips and Hyacinths, harbingers of coming splendor. There is the lovely family of Columbines: These use all the tints of the rainbow in making their garments. The Coerulea, state flower of Colorado, is a photograph of the fleecy clouds and the intense blue of the mountain skies. The Chrysantha is a flower of pure gold from the Yellowstone Park. There are fifty native sorts with hundreds of hybrids, many of which surpass the parents. It is hard to find a more beautiful spectacle than a great blend of color in a mass of Columbines. Why don't people plant in abundance and so match God's great out-of-doors. It is a shame to expect two or three little flowers to adorn a farm or home.

People spend thousands on their dwellings but when they step out-of-doors they are stricken with a stinginess which fairly withers them. If they have to pay more than a quarter for anything to adorn the yard they are terribly abused. A thousand-dollar picture in a ten-cent frame seems to be their ideal.

Oriental poppies are like flames flash-

ing in the sunlight. A bed of them is like a miniature sea of fire. They will bloom from the same plant for twenty years. Take a single flower, look within and see the delicate skill bestowed on that great seed ball and the tremulous stamens that guard it—all done up in jet.

Here are the glorious peonies. While at their best they are peerless. There is nothing to match them. Here are 50,000 in hundreds of varieties. You go out and visit them. You are welcomed like a God. You wade in billows of fragrance that float all around them. Now they are making their toilet. Never a beautiful maiden preparing for her nuptials put on fairer garments. Tens of thousands smile upon you vying with each other to please you. How winsome the lure of these beautiful flowers! While they last you want to be with them. And here are thousands of seedlings, some of them of superior beauty which will have a future.

Here are Pyrethrums. None but the Divine Artist could paint those delicate petals.

The Boltonias have their place in late summer when most needed.

Polygonums and Bocconias have their place in some background but don't give them much leeway, for they want the earth if they can get it.

The Platycodons, the white, blue and double are among the hardest of our perennials and are very satisfactory.

The Gaillardias, Stokesias, Asters, Digitalis and Shasta Daisies are fine, but they need especial winter protection. The Lupinus would be superb but it will damp off badly.

The great family of Phloxes reach from early spring until late in the fall. The Subulata or creeping phlox covers the ground with bloom early in the spring. The Suffruticosa comes next with the stately Miss Lingard in the lead, but in the main this family is not satisfactory.

Then comes the Paniculata, often called Decussata. This great family is the real thing. They are natives of America. Growing and thriving in the wild like a robust Indian maiden they were taken to Europe and underwent such a transformation that they came back to us in garments fit for the courts of kings.

In the early stages of transformation there is a tendency to reversion. The progeny want to get back to their parents, reminding us of the song, "But she is young and can't leave her mother." But age makes a great difference. Now these flowers, like the Dahlia, have wandered so far from the originals they break out in a riot of voluptuous beauty. And here is where you come in. We are just beginning to find the possibilities of this flower. For years we have produced new ones of great hardiness and you will find in the Phlox Manual, which has the kindest endorsements from the highest authority, the simple process by which a child can evolve new and charming varieties.

The Iris has been rather late in coming into notice, but it has come to stay. The different varieties bloom from March until August. There are 170 native sorts and the hybrids reach probably into the thousands. I found an undescribed one in the Black Hills last August growing on stony bluffs,

exposed to 40 degrees below zero. It belongs to the Siberian type. This family now has 30 varieties and is increasing every year.

The Iris.

Oh beautiful! beautiful flower!
The ward of the sunbeam and shower
In garments of woven delight,
Of the sunset, Aurora and light.
While over thy beauty there plays
Such delicate tintings and rays,
Such blending of color and shade,
Well becoming a heavenly maid.
Ethereal, lovely and sweet,
Thy presence we joyously greet.

Thy Mother, fair Iris, in beauty supreme,
Took all her rich garments of loveliest sheen,
The robes of the rainbow, flower garden of air,
Of bewildering beauty, resplendently fair,
And made for her child such a dazzling dress
No daughter of royalty e'er could possess.

Though her form seems so fragile, yet wondrously brave,
Away in the Northland where fierce tempest rave,
She awakes from her sleep in her cradle of snow
And beams on the world with a radiant glow.
Away on the plains in the drought and the heat,
She is cheerfully waiting admirers to greet.
To her fairy presence must ever belong
The tribute of praise and the rapture of song.

We are not to forget the stately and imposing Delphiniums. These give us all the shadings of the blue. We see some of immense size. The Boston shows often exhibit those of rare merit. It would take a strong imagination to suggest an improvement. The main stems straight and tall and the branches packed with blooms, some single and some double. In the West if planted in exposed places in the full sweep of the wind they will need staking.

All perennials need shelter from the cruel blasts which often sweep at the rate of 40 miles an hour. You can produce a calm by planting a hedge around your flower garden. If you want something tall, the flowers of which will add to the attractiveness of the whole display, take the Grandiflora Tatarica or Manchurian Honey-suckle. The Silver Tamarisk, charming both in bloom and foliage makes an excellent hedge. This is the best of ten sorts which we have tested at York.

Brothers, do you know your own power? You can take a dull and sombre piece of earth and make an elysium of it. You can take the mantles of the stars, the splendor of the sunsets and the coloring of the rainbow and weave into a jeweled carpet fit for the touch of angel's feet.

Beauty has a mission. God might have made apples of the color of cobble-stones and given the strawberry and cherry the drab of gravel instead of the appetizing tints which are the despair of the artist.

On earth there is beauty everywhere from the prodigal blooms of the tropics to the vast profusion of flowers in the frozen tundras of the North.

This world is only the porch of another. Flowers and gems are the prophesy of the glory to be revealed. How superbly the great landscape Artist laid out this world of ours! What a land he gave us before it was bared by the greed of men! Did you ever think that this same Artist who

A RECORD BREAKING APPLE TREE.



Spokane, Wash.—Experienced growers predict that the Frazer apple tree, growing in the Walla Walla valley, near Walla Walla, Wash., southwest of Spokane, will yield between 150 and 200 bushels of fruit this season, thus breaking its record of 126½ boxes in 1907, the highest production from a single tree known anywhere in the world. The tree bore 70 boxes in 1906, 42 boxes in 1908, and 45 boxes in 1909. More than 500 barrels of fruit have been picked from its limbs since it came into bearing.

The tree was grown without irrigation from a seedling planted by Cantrel R. Frazer in 1866, two years after he settled in the valley. It is 42 feet in height and its branches spread 57 feet from tip to tip. This is shown by the positions of the two men at the sides of the accompanying photograph,

taken a few weeks ago, when the branches were laden with pink and white blossoms.

The trunk is seven feet in circumference at the base and measures six feet six inches just below the first limb, which is four feet from the ground, and measures four feet seven inches. Mr. Frazer, who planted the seedling, is standing at the trunk of the tree. The tree is sound and healthy, despite the fact that it has produced fruit every season for nearly 40 years.

The tree is not a standard variety, but is classified by the growers in southeastern Washington as Frazer's Prolific. The fruit is of medium size with golden yellow skin, the flesh being firm and sweet, thus gaining recognition in the Northwest as a winter apple.

laid out this earth along the lines of harmony and beauty also has landscaped the universe? When you get through your schooling down here and have faithfully proclaimed the great evangel of beauty, when you have passed away you will leave a path lined with radiant forms of loveliness. It will be said of you, "He passed this way and these are his footprints."

When you stand as victor under that arch on which is written, "All things are yours," you will receive the salutations of the universe and the eternal beauty is yours. As the land of promise rose in wondrous mirage to the vision of Moses on Tabor so will the broad fields of light rise to your gaze and, behold, the universe itself is one great flower garden. Who can describe the clustered glories, the harmonious mingling of colors of the milky way so thick with immortelles? How amazing the vastness! tremendous abysses of distance illumined by the smile of Jehovah. He drove his plow share through the fields of azure and all the furrows were flowered with stars, Orion and Pleiades great bouquets held in the hand of the Creator, the

constellations gardens of surpassing splendor.

So remember that the beauty of the earth is a prophecy of that opal sea, jewelled walls and the great gardens of God. Let the hither shore give some promise of the future shore. We spend a few moments down here. Most of our life is over there. So while here pull down a section of Paradise and live in it and so have an introduction to the Paradise beyond.

CARNATION COUNTESS KNUTH.

It having been asserted in some quarters that this recently introduced variety is identical with Sonnenschein, introduced by Neubert, Messrs. Hjalmar Hartmann & Co., of Copenhagen, introducers of Countess Knuth, have been conducting a trial of the two varieties with the object of settling the question at rest, and the results are that Countess Knuth came into bloom eight days sooner than Sonnenschein, and further, the latter is more deeply fringed in the petals than the former, and the color in the two sorts is quite distinct. In other characteristics they are very much alike.

AMERICAN PEONY SOCIETY.

President Farr's Address at the Opening of the Boston Meeting.

I was initiated into membership to the American Peony Society in this very hall at its exhibition held here four years ago. I have ever since had the most vivid and pleasant recollections of my visit here and the cordial reception given us by the Massachusetts Horticultural Society and by many friends of the peony, whom I met during that visit and who have many of them since become personal friends.

I well remember the splendid exhibition made at that time by Mr. Shaylor and the Thurlows, Mr. Hollis and others, and my visits to their establishments.

It gives me the greatest of pleasure to be here again with you to meet the same lovers of the peony, and to note that their enthusiasm has not in any way diminished as the years have passed, as evidenced by the splendid exhibition of flowers which they have again shown us.

While I have for many years grown and admired the peony, I may say that it was enthusiasm which I took home from my first visit to Boston that has been responsible in a large degree for the serious study which I have given the peony ever since.

Eight years have passed since the American Peony Society was organized for the purpose of trying to straighten out the confusion existing in the nomenclature of the peony and publishing accurate descriptions by means of which all authentic varieties may be identified. It was known that the task would be a difficult one, but it is only on looking back over the ground covered that one begins to realize how almost hopeless was the task and how futile would have been the effort were it not for the singularly fortunate combination of men and circumstances with which it has been the Society's great good fortune to be favored, the result of which enables me to have the satisfaction of announcing to my fellow members of the American Peony Society here assembled, that there is now the most encouraging prospect of a speedy and successful conclusion of the nomenclature work which the Society set out eight years ago to accomplish.

The main factors which have carried out the work so far toward ultimate success are each so dependent on the other that had but one been lacking the work would undoubtedly have ended in failure before this.

Most of the members of the Society are more or less familiar with the first steps which led to the organization of the Society. We are indebted first to Mr. C. W. Ward, who conceived the idea and issued the first call and through whose efforts the co-operation of Cornell University was secured and the test plot was established. We must acknowledge too, the ready response of our home growers whose generous contribution of plants running into thousands made the test plot an established fact. To these were added through the efforts of Mr. Ward and Professor John Craig, of Cornell University, the splendid foreign collections of A. Desert, Croux & Son, L. Paillet of France,

Goos & Koenemann of Germany, De Graaff Bros., Van Leeuwen & Son of Holland, and Peter Barr of London, which have proven to be of most vital importance. In fact, it is doubtful if without these we could have accomplished much with any degree of certainty.

The task of preparing and planting the peony plot was done by Cornell University, who from that time on assumed the great burden of the work, and it is doubtful if there are many members of the Society who realize the full extent of indebtedness we owe to the University and to those who have had the work directly in charge, especially to Dean L. H. Bailey, who during the last two years has given Professor Batchelor "carte blanche" to go ahead and do everything which in his judgment was needed to bring the experiment to a successful issue. Also to Professor John Craig, of the Department of Horticulture, who has taken a deep personal interest in the work which has been done under his personal supervision.

We must not forget that while the work and interests of the Peony Society are national in their scope, the University is an institution of the State of New York, and while the Peony Society has made donations toward the cost to some extent, the greater part of the expense of caring for the test plot, publishing the bulletins, photographing, etc., and the men detailed to carry on the studies, have been furnished and paid for by the University.

The test plot has proven the necessity for its establishment, at the same time proving how useless it would have been without the co-operation of the University as it would have been out of the question for any individual or firm to have carried on this test on so large a scale for so long a period.

Last but not least we realize how much has depended on those at Cornell who have had the actual work to do and whose indefatigable and scholarly efforts have cleared the way to ultimate success. To Prof. J. Elliot Coit we are indebted for the check list containing all the names of peonies known to exist in commerce upwards to three thousand in all, together with a most comprehensive bibliography of the peony extending back to the sixth century, also for the first bulletin containing the history of the peony, classification, cultivation, etc., and the preliminary descriptive list of about fifty varieties.

To Prof. Leon D. Batchelor, who has so ably and conscientiously carried on the work from where Professor Coit left it, we owe the second bulletin covering the work of the nomenclature committee last year with a careful description in detail of two hundred and ninety additional varieties. Following up the plan adopted last year, Mr. Batchelor has in co-operation with the special committee appointed for this work, visited other collections where the season is earlier than at Cornell, and so far over one hundred new descriptions have been made this season and it is expected before the season closes at Ithaca a total list of approximately 500 varieties will have been identified and described. It is proposed to publish a fourth bulletin covering the work to date early this fall.

A new planting has been made containing three plants each of all the varieties so far identified, and to these will be added this fall specimens of the additional varieties described so that when the Society again meets at Ithaca the net results of the work accomplished will be condensed and may be seen by all. This meeting should in my opinion be held two years hence, which will allow the plants to become well established. It will allow time also for the discussion of descriptions as published and the correction of errors before the publication of the final, official catalogue of the Society. This, too, will mark the conclusion for all practical purposes of test and the accomplishment so far as this goes of the original object for which the Society was formed.

So far this season the committee has visited and worked among the peonies at Wyomissing, Andorra Nurseries, Cottage Gardens Co., Geo. H. Peterson, Fairlawn, N. J., and it is a significant fact that the descriptions already taken practically cover everything to be found in any of these large collections, with but few exceptions covering also almost completely the extensive catalogues of Lemoine and Dessert.

With the conclusion of the test at Cornell, what is to be the future of the Society? Shall it consider its work completed and disband or will it find new interests to keep it alive? The dahlia, the gladiolus and other flowers have newly formed societies composed of their devotees, to say nothing of the older societies in other lines, and it would seem that surely a flower as beautiful and popular as the peony with a history and pedigree not approached by that of any other flower should find abundant support from its enthusiastic admirers to maintain its organization.

The interest in the nomenclature committee was largely a commercial one arising from the difficulty which dealers experience in purchasing from each other with any degree of certainty as to what they would receive. But as dealers acquire what stock they desire they will deal with each other less and future sales will depend more on the popularity of the peony with the general public. New membership to the Society will come more and more from the amateurs who become interested in the peony and acquire large collections because of their admiration of the flower rather than from commercial motives.

We should give the amateurs and private growers our warmest welcome, for upon them we must depend for our finest specimen blooms for the exhibition table, and our premium lists should encourage as much as possible the keenest competition in the amateur class. It will be through the influence of larger collections throughout the country and the exhibitions that the general public will come to know and appreciate the modern peony and the exhibitions should be held at central points easily accessible so that they may be attended by a large number of people; every effort should be made to have the exhibitions as attractive as possible and every commercial dealer should deem it not only a duty but of vital importance to his own interest to do his share by sending flowers whenever it is at all possible. It is, of course, impossible for the

grower a long distance away where the season of bloom materially differs from that in the locality where the exhibition is held, to compete on an equal footing with the local growers who can select their best blooms at the most favorable time just before the show. In judging exhibits from a different latitude due allowance should be made; indeed, it has occurred to me that it might be a good idea to form a separate class for the encouragement of exhibits from a long distance.

The peony for Memorial Day has become almost the national flower and justly so for certainly nothing else can so well serve that purpose, but it is unfortunate that in many places there is a tendency to consider that the peony has served its purpose as soon as Memorial Day is passed. There should be no reason for this as the varieties which follow later are superior both in beauty and keeping qualities to those which may be best for Decoration Day, and it is gratifying to note that in many localities the usefulness of the Peony for general decorative purposes is being recognized. In many western cities particularly there is a steady demand for blooms which are kept in storage until well into July. The most valuable varieties after the very early ones are the very late ones which come in and are in demand after the earlier ones are gone.

In narrowing the list of varieties down to the "best hundred" much will depend on the point of view. For the florist fifty varieties would doubtless be ample. For him a variety is of no value if it does not keep well, ship well and have the right shade of color and it must be fragrant.

The landscape gardener will consider chiefly the habit of the plant, its floriferousness and its general effect at a distance when planted in masses. The full size and heaviness of many of the finest cut flower varieties render them unfit for this purpose and both classes would debar entirely for one reason or another hundreds of the varieties which would appeal to the amateur who would see much beauty in many of the various forms which would not appeal to the landscape architect or which for some reason would debar them from the commercial or cut flower class.

Many amateurs admire the semi-doubles, the loose crown types and other distinct types so that in selecting our list of the "best hundred" the tastes of all classes must be taken into consideration.

I must confess that my own taste in the selection of the varieties is largely that of the amateur since my prime motive in growing peonies has never been for cut flowers as a specialty. The single peony as a cut flower is not a good seller but where can there be found among all the doubles anything to compare with such singles as Stanley, Jupiter or La Fiancee for large massing of color effect, their upright habit and lightness of flower enabling them to withstand the rain and wind so destructive to the heavier double kinds. There are it is true a large number of inferior single varieties which should be promptly eliminated from our list which is true also of a large number among the other classes.



VISITORS AT THE OPENING OF THE WARETOWN CLUB HOUSE

See page 12, issue of July 2.

We have previously been cautioned against the tendency to name new seedlings which are inferior to varieties already in existence. There are so many almost perfect varieties that many believe it almost impossible to make any additions that are genuine improvements. The American Peony Society should and it is to be hoped will come to be recognized as the authority competent to pass on the merits of a new introduction and they should be so conservative that their certificate of merit granted to a new variety should become a guarantee of the value of that new introduction.

The splendid collection which will be in existence at Cornell University will furnish the Society with unusual facilities for judging a new variety. Whenever possible a specimen plant of the new variety should be sent to Cornell in order that it may prove its merit among the older varieties already established. This cannot always be done while the originator is in possession of only a few plants which he would not wish to disturb or part with, neither is it possible for him always to send flowers to the exhibition which may be held so far away or at a season when his plants are out of bloom.

To overcome this I offer the suggestion that a committee may be appointed in several localities to whom a new variety might be submitted and if it met with the approval of the sub-committee they might recommend the variety and have it passed upon by the Society as a whole at a later date. This would necessitate some delay in final recognition which would not be unwise as the merits of a variety cannot always be finally judged until after several years have passed.

Mr. Rosenfield has set us a good example of conservatism in this matter of naming new varieties for while he has grown seedlings for many years he has introduced but comparatively few varieties and I am sure all who have seen his "Karl Rosenfield" will agree that it is a worthy addition to our list and that even among the vast number of reds there was room for this one. There is room also for an

early red to compare with and bloom with "Festiva Maxima." And while the standard established by the French growers is high we should not fail to recognize and encourage any good thing which originates at home.

I must not forget to mention the courtesy of the Society of American Florists in sending through the Secretary an invitation to the American Peony Society to meet with them during their last meeting at Cincinnati and make the suggestion that the American Peony Society and the Society of American Florists should co-operate as our interests are mutual. It was not deemed advisable to attempt to have a meeting with them last fall as at that season of the year we would not have blooms to show but it is possible that in the future a joint meeting might be arranged and we cannot fail to appreciate the courtesy extended to us and to reciprocate the friendly feeling shown toward us.

I am also pleased to be the bearer of a message from our Honorary President, Mr. C. W. Ward, to the Society expressing his regret that continued ill health makes it impossible for him to be with us at this meeting but he wishes me to assure you that he retains all his interest in the Society and that he hopes in the near future to be able to take an active part in its work.

Report of Nomenclature Committee.

As Professor Craig, Chairman of the Nomenclature Committee, cannot be present at this meeting I have been requested to make a brief report of the work accomplished. Part of this ground I have already covered. The two bulletins now published describe 340 varieties. In the second bulletin also a number of corrections have been made to the first list.

It was realized last year that the season of study was altogether too short for any one locality to carry on the work without extending it over a number of years, and Mr. Jos. Dauphin of the Cottage Gardens Co., and myself were appointed a special committee to assist Professor Batchelor, and the season was greatly prolonged by

beginning the work at Wyomissing, following it up at the Cottage Gardens Co. where the meeting was held and finally at Ithaca. The immediate results of this course are shown in the large number of varieties added to our list in the new bulletin.

This year the same plan has been followed. In addition to the work this season at the nurseries mentioned in my address, the committee has since visited the collection of Mr. Shaylor here in Boston and it is the intention, if possible, to visit other collections in the vicinity of Boston before leaving for Ithaca, where the work will be continued until the close of the season there.

It is expected by the close of the season there that practically everything will be done in the old plot that it will be possible to do. There are still hundreds of names existing in the plot which it will never be possible to trace to any distinct origin, but the vast number of names originally existing there have been reduced to a very large degree by the great number of synonyms found, all of which have been noted. As examples of this I might mention *Eduilis Superba*, Dr. Bretonneau, *Queen Victoria* and others which have been duplicated under 25 or 30 different names each, to say nothing of the host of red varieties, most of them of inferior quality, which are to be found. It would seem as if everyone who has a red of any kind calls it *Delachei* or *Francois Ortegat* or *Louis Von Houtte*, so that strange as it may seem, these, our most common varieties, have been the hardest to determine which is the true variety. And of the many *Delachei* it is a question if any of us are positively sure just which one is the true variety, unless it is the variety sent us by Dessert.

There is a common pink peony which among its many other names passes for *Edouard Andre*, but the true *Edouard Andre* is different in every way, being an immense very double flower very late.

These are merely examples of some of the difficulties that the committee has had to contend with. Of the varieties left in the original plot, it is doubtful if there will be many remaining which will be worth giving any further consideration. Doubtless the larger part of these have been unnamed seedlings sold in mixtures to which names have been given in order to distinguish them where they have been grown in nurseries.

It is not expected that no mistakes have been made, but the committee have had unusual facilities in making a wide range of comparison in every case and we have every reason to believe that in most instances we have reached conclusions and that the errors which exist will be detected and corrected before the final publication is completed. The decision of the committee may not in every way agree with individual opinion, but it will at least establish a basis upon which the work for the future may be done, and if it is adopted as a standard eventually it fulfills the object sought.

I wish to reiterate the splendid services Mr. Batchelor has rendered the Society in carrying out this work. I also wish to make mention of the fortunate selection of Mr. Jos. Dauphin who by his remarkable memory and ability to retain his impression of dis-

tinctions in color and form of flowers and the long years of study he has given to this subject has been able to render us invaluable services.

The peony plot at Cornell now comprises a number of acres, a large addition having been made for the new planting last fall which will eventually be the permanent planting belonging to the University in accordance with the original agreement. The second planting donated for the purpose of selecting the "best hundred" varieties will be in prime condition and will doubtless be of great assistance.

B. H. FARR.

ROYAL HORTICULTURAL SOCIETY OF LONDON.

The hall was, on June 7, inconveniently filled with exhibits. Iris, pyrethrums, peonies, roses, pelargoniums of the spotted, decorative, regal, and show sections perpetual carnations and border varieties, gerberas—the type *Jamesoni* and hybrids or seedling forms of that species—*streptocarpus*, cannas and aqilegias, formed the bulk of the plants shown. An interesting exhibit of stove herbaceous plants rarely seen in cultivation, though once common, came from L. R. Russell, Richmond, Surrey. Yellow-flowered shrubby *calceolarias* came from J. Veitch & Sons, and also from R. Veitch & Son, of Exeter. Their names are *Clibranii*, *Golden Glory* and *Buttercup*. They bear a close resemblance to each other, and should prove useful in the greenhouse for early flowering and for flower garden purposes. Orchids were present in fair numbers, but these plants are distinctly getting scarcer, the glut of the season being at an end for the present. In Sander & Sons' exhibit *Laelio-cattleya Wellesleyana*, a flower having pale lemon yellow sepals and petals, and a lip and tube of lurid purple, was unique. The firm was awarded a first class certificate for *Odontioda St. Fuscien* var. *Imperator*, which is the result of crossing *Cochlidia Noetzeliana* and *Odontoglossum Adrianae*. The flower is mainly scarlet, intersected with irregular lines of white. The inflorescence measured about one foot in length, and the individual blooms two inches in breadth.

Stuart Low & Co. made an interesting exhibit, among which was *Laelio-cattleya G. S. Balls*, an orange colored flower, with the merest edging of red on the lip, and a well flowered plant of the Javan species, *Bulbophyllum Lobbi*, which possesses single flowers on radical scapes coming from the base of the pseudo-bulbs.

There were many other exhibitors of small lots of orchid who were awarded medals. Messrs. Charlesworth & Co. were awarded the silver gilt Flora medal.

J. Veitch & Sons showed cannas in bloom, the best for color and size of spike and general effectiveness being Dr. Buddingen, with a short, stout spike of scarlet flowers; Baron de Reicher, lemon and orange; James Wigan, reddish orange; Vander Schoot, yellow, spotted with crimson, and Duke of York, soft crimson, having a thin line of yellow at the edge of the petals. This firm showed their *Achimenes*-flowered *streptocarpus* in a variety of colors, and *Pelargonium White Queen*, the blooms circular shape, and displayed 6 to 8 inches above the leaves.

FREDERICK MOORE.

THE ORCHID AS A COMMERCIAL PROPOSITION.

Alphonse Pericat, before the Florists' Club of Philadelphia, June 7th, 1910.

Mr. President and Gentlemen:

Your committee have gotten me here tonight to talk orchids, very much against my own inclinations. In the first place, it is a very difficult subject, and in the second place I hardly know what to say. Of course, I have been in orchids all my life, both in the amateur and commercial lines; but the field is so large that it is difficult to choose any phase of it that would be interesting to you. I think the best I can do under the circumstances, is to indicate a few of the species and varieties that have so far proved themselves commercially possible. There is no doubt but what the orchid has come rapidly to the front commercially in the past ten years, and it may be confidently looked forward to as a constantly increasing factor in the flower markets of America.

The first of the family important commercially is of course the *Cattleya*. This species and its many varieties is so showy and of such varied colors, and can be had by successive plantings through so long a season, that it is small wonder that it takes premier position. The best of them all is, of course, *Trianae*, because it is not only a lovely flower, but also because it blooms at a season when cut flowers are most in demand. Next to that comes *Labiata*, which flowers in the fall when roses and carnations are scarce and variety is needed to supplement the chrysanthemums and other fall flowers. The other members of the same family that are of importance are *Schroederae* and *Mossiae*, as these come in succession and flower at a time when the others cannot be had. *Gigas* and *Gaskelliana* are of course the important ones for summer flowering.

Next to the *Cattleya* the important orchid commercially is the *Cypripedium*. Insigne flowers more freely than any other and is most easily grown. *Leeanum* and *Spicerianum* rank next. The *Cypripedium* can be grown and sold for less than other orchids, hence it is one of the most important, although not the showiest.

On account of the demand for white orchids in the fall, the *Dendrobium formosum* occupies a very important place. The plants go back after two or three years and it is necessary to renew stock. *D. Phalaenopsis* is fine for sprays.

*Oncidium*s are of great merit in many ways, the several varieties flowering in succession from September to February. They are much liked for decorations on account of their spray formation and beautiful colors. Some are easily managed, some not. *Splendidum* is one of the best growers. It is a fine flower and likely to be more grown in the future. *Varicosum Rogersi* is a favorite on account of its fine spray, which is easily adapted to many decorative purposes. The plants run out quickly, however, very much the same as *D. formosum*.

These species and varieties mentioned are practically all that are much grown today; but there are a number of others that will be on the market soon, as the demand is constantly extending. *Phalaenopsis ama-*

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼-oz., 75c; ½-oz., \$1.50; ¾-oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Fruited Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's 'Giant'. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeffora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

APHINE

Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

\$2.50 per Gallon. \$1.00 per Quart.

Buy from your seedsman or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40c.

APHINE MANUFACTURING COMPANY

MADISON, N. J.

billis is one. This can now be got from the Phillipines at very reasonable price, and will be heard from shortly. P. Schillerianum is also a good one, and its pink is a good contrast to the white of Amabilis, flowering about the same time.

Vanda coerulea is a good species to grow for cut flowers and can be made to pay. It is about the only one of its color (blue) that is worth anything to grow.

In conclusion, let me add a serious and emphatic caution to all orchid growers. Never sell your flowers too cheap. The orchid is an expensive flower to grow; but sometimes there are too many of them at one time. Rather lose a few of these than sell them cheap. That breaks the market and you lose far more in the long run. The market is not easily mended once it is broken. Therefore it is good policy for the grower to be very careful not to overcrowd with more than the market will absorb.

North Abington, Mass.—Wm. H. Records and Miss Rosely Hastings were married at the home of the bride in Berlin, Md. Mr. Records is foreman at the Bay State Nurseries.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

FERNS

Best Commercial Varieties

IN

FLATS

For July-August Shipment by Express

Write at Once for Quotations

McHUTCHISON & COMPANY, 17 MURRAY ST. NEW YORK

PANSY SEED — Michell's Giant Strain



Our Giant Prize Pansies are not to be compared with the ordinary Giant Trimardeau; the seed we offer will produce flowers of much heavier texture.

GIANT PRIZE	Trade pkt.	Oz.	GIANT PRIZE	Trade pkt.	Oz.
Azure Blue.....	40c	\$1.50	Snow Queen, pure		
Black Blue.....	40c	1.50	white	40c	1.50
Emperor William....	40c	1.50	White with Eye.....	40c	1.50
Hortensia Red.....	40c	2.00	Pure Yellow.....	40c	1.50
Lord Beaconsfield....	40c	1.50	Yellow with Eye.....	40c	1.50

MICHELL'S GIANT EXHIBITION MIXTURE. A Giant Strain which we have procured from the leading Pansy specialists in England, Germany and France, and for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade packet, 50c.; 75c. per 1/8 oz.; per ounce, \$5.00.

Our Wholesale Summer Catalogue of Seeds, Bulbs and Supplies, free upon request.

HENRY F. MICHELL CO.
518-1018 Market St., Philadelphia

Seed Trade

Jamestown, N. Dak.—The State Agricultural College has appropriated \$4500 for the new seed house at the Dickinson Experiment Station.

Springfield, Mo.—The old officers of the Springfield Seed Co. were re-elected at a meeting of the board of directors recently. The officers re-elected are R. R. Ricketts, president; L. H. Murray, vice-president; A. S. Sanders, secretary.

Dallas, Tex.—The Robinson Seed & Plant Co. and the Texas Seed & Floral Co. have reorganized with a capital stock of \$100,000 and will hereafter be known as the Texas Seed & Floral Co. A new building 85 x 175 feet four stories and basement, to cost \$75,000, will be erected at once. New greenhouses will be added to their plant in Oak Cliff. The officers of the new firm are R. Nicholson, president; E. P. Brown, vice-president, and C. W. Robinson, secretary and treasurer.

A LITTLE LEARNING.

An amusing incident happened in Philadelphia recently. The toniest of all the tony clubs (The Union League) has been building an addition at a cost of about a million, and in front had two spaces of about 12 x 50 ft. to put down to grass. A well-known jobbing gardener was entrusted with the sodding contract and just as he had same finished the writer happened along—and was asked for his opinion of the job. "Fine piece of work," said the latter; "but you'd better sow a bit of lawn grass so as to fill up the crevices and any little bare spot." "That's all been attended to," said the artist—"the official awarding the contract had read up all the books and had already put in about four bushels of bone meal and half a bushel of lawn grass." So the sods were put on top of the lawn grass. This is a new wrinkle for our friend Leonard Barron for his next edition of "Lawns and Lawn Making." Thanks! No charge!! Such leading lights in the horticultural world as

W. Atlee Burpee, Wm. Henry Maule, and other big seedsmen who are members of the club will no doubt be gratified at this evidence of progressiveness on the part of their well-trained servants.
G. C. W.



ERFORD L. PAGE

President-elect American Seed Trade Association.

INCORPORATED.

Dallas, Tex.—Texas Seed & Floral Co., capital stock \$100,000.

Wheeling, W. Va.—Homestead Peccan & Nursery Co., capital stock \$25,000. Incorporators, A. C. Snedeker, George Rentsch, John McCall, J. H. Devore and A. L. Meyer.

Tulsa, Okla.—The Binding-Stevens Seed Co., capital stock \$75,000. Directors, W. J. Stevens, Wichita, Kans.; C. R. Binding, Muskogee, Okla.; J. W. Binding, Lewis Orth and J. W. Stratton of Tulsa, Okla.

POPPIES AND PRIMROSES.

Luther Burbank has been perfecting some more things. While congress and the courts try to perfect railroad rates or a lack thereof, while Norman Mack tries

to perfect a democratic presidential possibility, while the Boston finance commission tries to perfect a city administration, Burbank is occupied in more aesthetic and fragrant matters. For his emphasis upon the ornamental, with occasional excursions to cactusdom, we praise and approve him. Yet, like all enthusiasts for big things, he neglects the small and important. Just as the lack of a pin mars the fit and dignity of a silk gown, or as the lack of benzoate of soda makes jam flat to the modern trained palate, so Luther Burbank's exclusive attention to evolving poppies "larger and of brighter hue" by involving poppies smaller and of dimmer hues, and to making white primroses five inches across and proportionately deep, he misses the opportunity to create a bachelor's button that can be sewed on trousers, edible and luscious candy-tuft, negotiable marigolds, and four-o'clocks that keep time. He fails to graft the sagebrush on the coxcomb, and to vitalize a primrose so it will stay prim when the sun shines hot upon it. There is an opportunity for a Burbank who will attend to the lesser sensations of plant life.—*Boston Advertiser*

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head 21c. \$1.00
10,000 and over 85cts. per 1,000

Egg Plants—Black
Beauty and New York Improved 40c. 2.00

PEPPERS—Bull Nose, Ruby
King and Sweet Mountain 40c. 2.00

CELERY—White Plum,
Golden Self Blanching, Giant
Pascal, Golden Heart and
Boston Market 20c. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. E. Fiske Seed Co.,
Boston, Mass.

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS

FLOWER SEEDS

Get Our Prices

79 and 81
E. KINZIE STREET, CHICAGO

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous other light, medium or dark mixtures.

1910 SEED NOW READY.

2,000 seed, 50c. 5,000, \$1.00. $\frac{1}{4}$ oz., \$1.25.
1 oz., \$5.00. 1 lb., \$50.00.

Also the following colors of the Kenilworth Strain: Yellow; Yellow, dark eye; Lord Beaconsfield; Mme. Perret; White, dark eye; Purple; Black; Masterpiece; Red; Bronze; Dark Blue and Light Blue shades.

Trade pkt., 25c.
Any five for \$1.00.
12 pkts., one of each variety, \$2.25.

CHAS. FROST
Kenilworth
N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN

ROCHESTER, - N. Y.

DUTCH BULBS

We forward free to destination, collections of Bulbs as grown here from \$5.00 to \$25.00. Terms—Cash with order. Write for collection and you can see what we send.

Apply to

The Dutch Bulb and Seed Growers Co.

Haarlem (Holland)

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

ESTABLISHED 1820

Thorburn's Bulbs

Trade Bulb Catalogue now ready.

French Grown Pansy Seed
at reduced prices

	Per oz.
Snow Queen.....	\$.75
Orchid flowered....	1.00
Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.60
Peacock.....	.60
Bugnot.....	1.50
Yellow Trimardeau.....	.75
White Trimardeau.....	.75
Thorburn Superb Mixed.....	4.00

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet 1 on Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE

Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD."

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Giant Pansy Seeds

THE STANDARD OF EXCELLENCE

The Product of the best specialists of Europe. The Prize Winners of the World on Colors, Substance, Form, Size of Blossoms and Length of Stems, the Best and Widest Range of Colors Ever Offered. The proportion of light and dark are well balanced. The following collections all contain the same grade of seeds.

Florist Collection as follows:—8 Pkt. $\frac{1}{2}$ oz in each Pkt. and 30 Varieties in each Pkt. of the Giant Five Blotched, Rivoire's, Marouch's Masterpiece, Triumph, Perfection, Boulogne's, Winsor and Geneva, 16 Pkt. $\frac{1}{4}$ oz. in each Pkt. of the Hybrid Giants as follows: Pure White, White Violet Center, 4 Shades Yellow, 4 Shades Blue, Fawn Color, Striped and Black, Parisian Giants, Melrose Giants, Peerless Giants. The last three are three and five-blotched. 25 varieties in each Pkt., in all 24 Pkts., weight $\frac{1}{2}$ oz., Price \$7.86
Half Florist Collection. 24 Pkt. 1-16 oz. in each Pkt., weight $\frac{1}{4}$ oz., \$3.93
Amateur Collection. 24 Pkt. 500 Seeds in each Pkt., 12,000 Seeds, \$2.50
Cottage Collection. 12 Pkt. 500 Seeds in each Pkt., 6,000 Seeds, \$1.25
Mixture of all the above in equal proportion. 1000 Seeds, 25 Cents, 5,000 Seeds, \$1.00, 1 oz., \$3.00.

Exhibition. 50 Cents per 1000 Seeds.

Prices are Net for one or More
Collections. Terms Cash

JOHN GERARD

37 Black Rock Ave., New Britain, Conn.

DON'T FORGET

to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELS' Y & IRWIN CO.**, 1215 Betz Bldg., Philadelphia, Pa.
Catalog for the asking.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOCKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. CREY CO.

32 South Market Street, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
98 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Detroit, Mich.—A dry spell lasting now for nearly six weeks is causing great damage to out of door stock and early asters must be considered a failure. Carnation plants in the field show no signs of growth. At present the mercury has left his favorite place in the nineties and gone back to seventies, making us all breathe happy in the expectation that it may last long enough till the Elk decorations are done.

Washington, D. C.—The dull season is on in Washington; with the adjournment of Congress most of the flower-buying public has left. Carnations are practically gone, entirely so as regards quality. Most of the stores are installing aquatic windows which gives

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London...July 9
Minneapolis, N. Y.-London...July 16

Cunard.

Mauretania, N. Y.-Liverpool...July 13
Saxonia, Boston-Liverpool...July 19

French.

La Lorraine, N. Y.-Havre...July 14
Hamburg American.

Amerika, N. Y.-Hamburg...July 9
Pres't Grant, N. Y.-Hamburg...July 13
Cincinnati, N. Y.-Hamburg...July 16

Leyland.

Devonia, Boston-Liverpool...July 13
North German Lloyd.

Koenigin, N. Y.-Mediterranean...July 9
K. W. Der Grosse, N. Y.-B'n...July 12
G. Washington, N. Y.-Br'm'n...July 14
Berlin, N. Y.-Mediterranean...July 16
Kronprinzessin, N. Y.-Br'm'n...July 19

Red Star.

Vaderland, N. Y.-Antwerp...July 9
Lapland, N. Y.-Antwerp...July 16

White Star.

Baltic, N. Y.-Liverpool...July 9
Cymric, Boston-Liverpool...July 12
Oceanic, N. Y.-Southampton...July 13
Celtic, N. Y.-Liverpool...July 16

a fairly good demand for pond lilies. They are of unusually fine quality this season.

It is announced that the business heretofore conducted at Pittsburgh, Pa., under the name of E. C. Ludwig, will be known as the E. C. Ludwig Floral Company.

Cumberland, Md.—Weber Bros., florists, have closed their store and moved to Clarksburg, W. Va.

NEW FLOWER STORES.

New York, N. Y.—Julius B. Arndt, 224th street.

Sioux City, Ia.—Chicago Flower Store, 507½ Fourth street.

Paterson, N. J.—The Paterson Floral Co., 304 Main street, suffered a loss by fire of about \$1500 on stock and fixtures in what proved to be a very serious fire on June 20th.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplur.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The
FLORIST
DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

LEADING FLORIST,
GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. June weddings and graduations are over and for a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

CHICAGO NOTES.

Trade News.

In the 4th of July parade at Hinsdale, Ill., the firm of Bassett & Washburn had a float, done in natural flowers, plants, etc.

Work is progressing on the Fairbanks building and though the noise and dust are very trying now, the florists there are in a fair way to have greatly improved quarters before business opens in the fall.

The horse show at Lake Forest was an event of considerable interest to Chicago florists, and many of the carts were beautifully decorated. To

the Bohemian Floral Co. fell the honor of decorating the Cumming's cart, which carried off the first prize Saturday, July 2.

Clarence Peterson, who is here in the interest of J. A. Peterson of Cincinnati, O., introducer of Begonia Glory of Cincinnati, says they are well pleased with the results of its first year on the market.

John E. Gawrys, 5115 Lincoln avenue, was accidentally shot by Richard Weber, 6025 N. Lincoln street in front of Peter Reinberg's greenhouse while celebrating with a revolver. Both were employees of Peter Reinberg and the dead man was familiarly known as "Big John." He was 33 years old and leaves a wife and three small children. Weber was arrested.

Among the notable decorations of the past week was one by Raske for the banquet of the White Sox at the Automobile Club. Both the table and ceiling were laid out in diamond form, the former done in white carnations and Beauties, with Asparagus Sprengeri for the field and the latter with Asparagus plumosa. A shield done in the club's colors was very effective.

Adam Zender has the sympathy of his many friends in the loss of much of his greenhouse plant by fire on July 4th. While Mr. Zender was at the ball game the barn took fire, presumably from firecrackers which his children were enjoying and before the fire was extinguished the barn was destroyed, all the boiler and packing sheds, one greenhouse and fifteen feet off the end of the entire row. All his implements were lost and one horse met death in the flames. The loss will be severe, probably reaching \$10,000, and there was no insurance.

The Glorious Fourth is a favorite day with the Polish American here for weddings and this year was no exception. A special feature of these occasions is one greatly appreciated by the local florist. The love of the Polish people for flowers is very strong and not only the bride but all the relatives use flowers. The women and girls carry bouquets similar to that of the bride but of various kinds of flowers while the men and boys wear two boutonnieres each. As the procession marches to the church sometimes blocks away the flowers are a noticeable part of the affair and attract much attention. A local retailer furnished eighteen bridal bouquets for a single wedding on the Fourth.

Vacations.

Harry Garland of the Geo. M. Garland Co., Des Plaines, Ill., is in Wisconsin. Mr. and Mrs. Lloyd Vaughan are taking a vacation in Wis. T. C. Yarnall is with his family at Eagle Lake, Mich. Mons Olsen is in Michigan for a two weeks' outing.

Personal.

A deaf and dumb son of Geo. R. Wheeldon who was killed by a street car last week, arrived from Rochester in time for the funeral which was held Thursday. The florists' attended in a body and interment was in Mt. Greenwood Cemetery. The street car company will stand expenses and an effort is being made to induce them to pay something to the afflicted son.

Visitors—Mr. and Mrs. J. J. Soper and son, Rockford, Ill.; Clarence Peterson, Cincinnati, O.; Mr. and Mrs. C. D. Stratton, Lancaster, Wis.; Max Raussmusen, Pontiac, Ill.; Geo. F. Crabb, Grand Rapids, Mich.; Ralph Anderson, Queen City Fl. Co., Traverse City, Mo.; J. Lauterback, Bushnell, Ill.; Mr. Brown of Brown Bros. & Co., Vancouver, B. C.; R. A. Smyth, Benton Harbor, Mich.; Mr. Schmaus of Schmaus Bros., Paducah, Ky.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 1071 Broadway.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Heintz.
 Toronto, Can.—J. H. Dunlop, 96 Young St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All yrs in Stock

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

ROSE PLANTS

100 Pink Killarney, 3 in. pots, \$8.00 per 100; 250 Maryland, 3 in. pots, \$8.00 per 100; Brides, 2 1-4 in. pots, \$5.00 per 100; Brides, 3 1-2 in. pots, \$7.00 per 100; Maids, 3 1-2 pots \$7.00 per 100; Ivory and Gates, 3 in. pots, \$6.00 per 100, \$50.00 per 1000; Richmond, strong plants, \$6.00 per 100, White Killarney, 2 year old plants \$18.00 per 100.

Business Hours 7 a.m. to 6 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. MCKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Merton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO July 5	TWIN CITIES July 5	PHILA. July 5	BOSTON July 7
ROSES				
Am. Beauty, Fancy and Special...	15.00 to 20.00	25.00 to 30.00	20.00 to 25.00	18.00 to 25.00
" Extra	10.00 to 15.00	15.00 to 25.00	15.50 to 17.00	10.00 to 15.00
" No. 1	6.00 to 10.00	10.00 to 15.00	8.00 to 12.00	6.00 to 8.00
" Lower grades	2.00 to 5.00	6.00 to 10.00	5.00 to 6.00	.50 to 1.00
Bride, 'Maid, Chatenay, F. & S.	4.00 to 6.00	5.00 to 7.00	5.00 to 8.00	3.00 to 4.00
" Lower grades	2.00 to 4.00	3.00 to 5.00	3.00 to .....	.50 to 1.00
Killarney, My Maryland, Fan. & Sp.	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 5.00
" Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	.50 to 1.00
Richmond, Fancy & Special	4.00 to 8.00	6.00 to 8.00	6.00 to 10.00	3.00 to 5.00
" Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	.50 to 1.00
Kaiserin, Carnot, Fancy and Sp.	4.00 to 6.00	6.00 to 8.00	5.00 to 8.00	4.00 to 6.00
" Lower Grades	2.00 to 4.00	4.00 to 6.00	3.00 to .....	.50 to 2.00
CARNATIONS, Nov. and Fan.				
" Ordinary	1.50 to 2.00	2.00 to 3.50	2.00 to 3.00	1.00 to 1.50
" .....	..... to 1.00	1.50 to 2.00	1.00 to .....	.50 to .75
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	50.00 to 60.00	50.00 to	40.00 to 50.00
Lilies	8.00 to 10.00	11.00 to 14.00	10.00 to	9.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00	1.00 to 1.00
Stocks .....	..... to .....	..... to .....	..... to .....	..... to
Daisies .....	.25 to .40	.75 to 1.00	1.00 to .....	.25 to .50
Snapdragon .....	..... to	4.00 to 6.00	.50 to .75	1.00 to 2.00
Peonies	4.00 to 6.00	5.00 to 8.00	2.00 to 3.00	..... to
Sweet Peas .....	.50 to 1.00	1.00 to 2.00	.50 to .75	.25 to .50
Gardenias .....	..... to	20.00 to 30.00	6.00 to 12.00	10.00 to 12.00
Adiantum .....	..... to 1.00	.75 to 1.25	1.00 to 15.00	1.00 to 1.25
Smilax	2.00 to 15.00	12.00 to 15.00	20.00 to	10.00 to 12.00
Asparagus Plumosus, strings (100) ..	10.00 to 60.00	45.00 to 60.00	50.00 to .....	..... to 50.00
" " & Spre. (100 bchs.) ..	25.00 to 30.00	25.00 to 35.00	50.00 to .....	..... to 31.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

FERNS FOR DISHES,

CASH WITH ORDER

4911 Quincy St.,

Chicago, Ill.

Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OEGHSLIN

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE 61'PRAY8, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Market Reports.

Whatever stability there **BOSTON** was in the flower business went out and away with the last of the June days and at present practically nothing is doing. Even the street dealers have deserted the wholesale flower marts and transferred their commercial activities to peaches and plums instead of carnations and roses, "a dozen for a dime." The leading retail stores keep up a brave front, however, and their windows are a credit to them. Country trade requires a microscope to find it. After another fortnight things will brighten up.

Trade has fallen off considerably in the past two weeks and the market is overstocked on everything. Carnations are in oversupply as well as roses, and the severe hot weather has shown its effects. Bride and Bridesmaid roses are small, also Killarney. Maryland has been the best in pink. President Carnot and Kaiserin are of fine quality and have had ready sale. The ending of June found the market over-supplied with iris, peonies, lilies, candidum, giganteum and outdoor peas. The latter have sold freely but at very low prices. Summer dullness having come vacations are in order, and the trade is looking forward to the annual outing which will be held during the month of July.

Market conditions are **CHICAGO** not very unlike those of other years, but the slight difference is on the right side. There is plenty of poor stock to be sure, especially in carnations that have not been disbudded since spring, but there is also a fine lot of good sized, long-stemmed, fresh looking carnations coming in and they sell readily. Asters have been straggling in for a month past and now are beginning to make quite a showing on the counters. They are in white only and bring the same price as the best carnations. There might be said to be no second-class carnations sold, so hard is it to move anything now that is not well grown. Roses are plentiful but the demand is for good ones. The summer dullness is being felt more or less strongly by both wholesaler and retailer. Some fine daisies, larkspur and other summer flowers are seen. Sweet peas have become so short as to be in rather slow demand. Rain is greatly needed in this vicinity and the month of June had a rainfall of only .91 of an inch, the most of this coming early in the month. The percentage of sunshine was far above the normal, and on three days the temperature reached or exceeded 90 degrees.

There is a little **CINCINNATI** business. doing all the time, but hardly enough to keep one awake. Beauties are holding out better than any of the other indoor flowers and are selling at fair prices. There are some very good Maryland. Taft, Ivory and Kaiserin, with a good demand. The receipts of carnations have been extra ordinarily heavy, the

A Seasonable Hose Offer

THE P/M BRAND

This brand has been made specially to our own order and specifications, and stands the rough usage of the greenhouse better than any other make at the price. Quality guaranteed. 25 and 50 ft. lengths.

16 cents per ft., couplings included.

THE BULL DOG BRAND Next to the P/M this well known make is in great favor with florists.

15 cents per ft., couplings included.

THE 32 1/2 c. HOSE This may sound an extravagance to many and yet we are told by some of our customers that it is even more economical in the long run than anything lower priced.

32 1/2 cents per ft., couplings included.

All hose sold by us is guaranteed.



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF
1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D. C.



WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	July 5		July 5		July 5		July 5	
ROSES								
Am. Beauty, Fan. and Sp.	10.00	to 15.00	18.00	to 22.00	20.00	to 25.00	20.00	to 25.00
" Extra	6.00	to 8.00	15.00	to 18.00	12.00	to 15.00	12.50	to 15.00
" No. 1	3.00	to 6.00	10.00	to 15.00	7.00	to 10.00	6.00	to 10.00
" Lower grades	3.00	to 4.00	4.00	to 8.00	2.00	to 4.00	.....	to 4.00
Bride, 'Maid, Chatenay, F. & S.	4.00	to 6.00	5.00	to 7.00	6.00	to 8.00	4.00	to 8.00
" Low. gr.	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	.....	to 2.00
Killarney, My Maryland, Fan. & Sp ..	4.00	to 6.00	5.00	to 7.00	6.00	to 8.00	4.00	to 8.00
" Lower grades	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	.....	to 2.00
Richmond, Fancy & Special.	4.00	to 6.00	5.00	to 7.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot, Fancy and Sp	4.00	to 6.00	5.00	to 7.00	6.00	to 8.00	6.00	to 8.00
" " Lower Grades....	2.00	to 3.00	3.00	to 5.00	3.00	to 5.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy								
" Ordinary	2.00	to	1.50	to 2.50	2.00	to 2.50	.....	to 2.00
" Ordinary	1.00	to	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to .....	.....	to .....	.....	to	50.00	to 60.00
Lilies	4.00	to 8.00	12.50	to 15.00	8.00	to 12.00	6.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Stocks	1.00	to	2.00	to 3.00	.....	to	3.00	to 6.00
Daisies .....	.25	to 1.00	.50	to .75	.10	to 1.00	.....	to 1.00
Snapdragon	1.00	to 3.00	2.00	to 3.00	2.00	to 4.00	2.00	to 6.00
Peonies	4.00	to 6.00	4.00	to 8.00	.....	to .....	.....	to 6.00
Sweet Peas .....	.10	to .25	.50	to .75	.20	to .50	.25	to .50
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	1.00	to .....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 14.00	15.00	to	15.00	to	12.50	to 15.00
Asparagus Plumosus, strings (100) ..	35.00	to 50.00	20.00	to 40.00	50.00	to 60.00	30.00	to 50.00
" " & Spren (100 bchs.) ..	25.00	to	20.00	to 40.00	25.00	to 50.00	30.00	to 50.00

demand barely using one-half of those received. The majority of the sales were made at very low prices; however, these conditions will be eliminated in the next few days, as nearly all the carnation growers have started to empty their benches. There are quantities of shipped peas coming in and in nearly every case they arrive so soft and poor that most of them find their way to the garbage box. Gladioli from out doors are received in small quantity. Longiflorum lilies

are seen in quantity in several of the houses, and are moved with difficulty. The call for lily of the valley is very light, with an abundant supply. Shasta daisies are moving fairly well. Green goods of all kinds are in good supply, with a good demand.

Beginning July 1, the Chicago wholesale florists have arranged to close their places of business at 5 p. m. daily.

(Reports continued on page --)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758
Madison Square New York

J. K. ALLEN
Wholesale Florist
Established 1887. Open 6 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK

Phones 3860-3816 Madison Square
WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York City
Open from 5 a. m. to 6 p. m. Sun-
day till 10 a. m. **CUT FLOWERS**
Tel. 5243 Madison Sq.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

American Beauty, Fancy and Special.....	6.00 to 15.00
" " Extra.....	4.00 to 6.00
" " No. 1.....	3.00 to 4.00
" " Lower Grades.....	..... to .50
Bride, 'Maid, Golden Gate, Fancy and Special.....	2.00 to 5.00
" " Lower Grades.....	..... to .50
Killarney, Maryland, Fancy and Special.....	2.00 to 5.00
" " Lower Grades.....	..... to .50
Richmond, Fancy and Special.....	2.00 to 5.00
" " Lower Grades.....	..... to .50
Kaiserin, Carnot, Fancy and Special.....	2.00 to 5.00
" " Lower Grades.....	.50 to 1.00
Carnations, Fancy and Novelties.....	1.00 to 2.00
" Ordinary.....	..... to .50

Last Half of Week
ending July 2
1910

First Half of Week
beginning July 4
1910

6.00 to 15.00	6.00 to 15.00
4.00 to 6.00	4.00 to 6.00
3.00 to 4.00	3.00 to 4.00
..... to .50	..... to .50
2.00 to 5.00	2.00 to 5.00
..... to .50	..... to .50
2.00 to 5.00	2.00 to 5.00
..... to .50	..... to .50
2.00 to 5.00	2.00 to 5.00
..... to .50	..... to .50
2.00 to 5.00	2.00 to 5.00
.50 to 1.00	.50 to 1.00
1.00 to 2.00	1.00 to 2.00
..... to .50	..... to .50

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-86 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Flower Market Reports

(Continued from page 53)

NEW YORK Business is nearly at a standstill now. The amount of business done in either retail or wholesale lines is very small. The wholesale market is congested with roses and carnations and all sorts of outdoor stock which the growers are sending in daily but which remain on wholesalers' counters until spoiled, when they are thrown away. Many lots barely realize enough to liquidate transportation charges.

Not a great deal **PHILADELPHIA** doing last week, and the first-class stock to do it with corresponded. Carnations are falling off rapidly. There are still a few good Boston Markets and Winsors, but all other varieties show up poorly. Maryland roses are the best in the pink class and for shipping, of course, Bride and Bridesmaid are the best, but good quality of either other or both is very scarce at present. Sweet peas are not of extra substance now, and unless used the first day might as well be thrown out. Lilies are about the only really satisfactory item for a show in funeral work.

PHILADELPHIA NOTES.
W. W. Crawford, florist, 52nd and Market street, was married to Amelia Catherine Fulmer, Wednesday, June 29th. At home, 704 So. 52nd street, October.

Henry Rajsick, wire worker, who retired some years ago in favor of his sons and went farming, will start business again on his own account somewhere in the center of the city—probably in the vicinity of 12th and Arch Sts.

Among our visitors this week: Miss Matilda Held, Baltimore, Md.; John Ratcliff, Ratcliff & Tanner, Richmond, Va.; Miss Lew Dundore and sister (Vernon) from Harry Schroyer's, Lancaster, Pa.; Frank J. Farney, Chicago, Ill.

C. Sim, Rosemont, Pa., accompanied by Mrs. Sim, arrived in Glasgow on the 22nd ulto., all well, after a fine voyage. They take a tour, by way of Forfar and Aberdeen, by easy stages through Scotland, and expect to return to the United States in the early fall.

Frank J. Farney, the Chicago representative of M. Rice & Co., has been in town for a week, paying his respects to the firm and getting posted upon the new season's novelties. He left, full of enthusiasm, and confident they had the goods to do the biggest season's business on record, all over the west.

Stock-taking at M. Rice & Co.'s is now completed and imports are coming in on every steamer. We shall have something to say on their florists' novelties for the coming season in the near future—as Mr. Eschner has promised to show us some of the new goods at the first spare moment either of us can give for the benefit of our readers.

It is reported that the Leo Niessen Co. have purchased a property at N. W. cor. 12th and Race, 58 feet on Race and 100 feet on 12th. The property was owned by Benjamin Alexander who obtained for it a price slightly in excess of sixty thousand dollars. The

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX
Now ready in limited quantity.
E. A. BEAVEN
EVERGREEN, ALABAMA.



BUY BOSTON FLOWERS
N. F. MCCARTHY & CO.,
84 Hawley St.
BOSTON'S BEST HOUSE

NEW YORK QUOTATIONS PER 100. To Dealers Only			
MISCELLANEOUS			
	Last Half of Week ending July 2 1910	First Half of Week beginning July 4 1910	
Cattleyas.....	40.00 to 60.00	40.00 to 60.00	
Lilies.....	3.00 to 4.00	3.00 to 4.00	
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00	
Stocks.....	..... to 1.00	..... to 1.00	
Daisies.....	.25 to .50	.25 to .50	
Snaps.....	1.00 to 2.00	1.00 to 2.00	
Sweet Peas (per 100 bchs).....	1.00 to 2.00	1.00 to 2.00	
Gardenias.....	3.00 to 15.00	3.00 to 15.00	
Adiantum.....	.50 to .75	.50 to .75	
Smilax.....	4.00 to 8.00	4.00 to 8.00	
Asparagus Plumosus, strings.....	..... to 35.00	..... to 35.00	
" " & Sprea. (100 bchs).....	10.00 to 15.00	10.00 to 15.00	

new owners will improve with a six or seven-story building for their own use. Plans are now being prepared by Ballinger & Perrott, architects.

William R. Gibson, now located with the Hollywood Gardens, artistic florists and decorators, Seattle, Wash., is highly pleased with the situation and prospects on the Pacific coast. He says it is "God's Country" for sure. In writing to his friend, E. J. Fancourt of the Pennock-Meehan Co., he extends a cordial invitation to all old friends to come out and see the beautiful country, and do lots of business. The situation in the great northwest is not only picturesque and lovely, but is humming with industry.

CINCINNATI PERSONALS.

Miss Cora Pherson, bookkeeper for Wm. Murphy, has returned from a month's vacation spent at New Orleans, La.

Murphyville held a picnic at St. Joe, Ohio, July 4th, in honor of Wm. Murphy's birthday. All had a glorious time.

E. G. Gillett, wife and daughter, leave on July 16 for a two weeks' vacation, to be spent at Traverse City, Mich.

Arthur Becker, of the Avondale Floral Co., left July 8th for a three weeks' visit to his brother at Los Angeles, Cal.

Louis Murphy has purchased the interest of Ray Murphy in the firm of Louis & Ray Murphy. Ray Murphy will in the future be connected in the wholesale business with his father, Wm. Murphy, at 311 Main street.

During Recess.

The annual picnic given by the Cincinnati Florists' Society will be held this year at the Country Club, Carthage, Ohio, Thursday, July 21. The committee are working hard to make it a success. There will be all sorts of events in the way of foot races, etc., also the annual ball game

with the storemen against the growers. There are some good ball players among the craft and an interesting game is usually played.

PERSONAL.

August Haubert, formerly of New York and Boston, is with W. Marche, Washington, D. C.

Wm. Michie has resigned his position as gardener at Riverside Park, Chicago, Ill., and will visit friends in Ardsley, N. Y.

Joseph Margolis of H. M. Robinson & Co., wholesale florists of Boston, sails on July 9, per S. S. Amerika for a 10 weeks' business tour in Europe.

George W. Butterworth, son of J. T. Butterworth of South Framingham, Mass., sailed from Boston June 28 on the S. S. Zealand for a six weeks' trip abroad.

The family of Julius Heurlein sailed from Boston on the Ivernia, July 5. Mr. Heurlein will cross the Atlantic later and probably join them in Germany. They will be absent about two months.

Wm. Williamson, late general foreman at Atherley Road Nurseries, Shanklin, Isle of Wight, Eng., has taken a position as foreman in the Kootonia Nursery & Greenhouse Co. of Baynes Lake, B. C.

P. A. Chopin of New Orleans has not been in very robust health lately and is contemplating a change of climate for a month or two. Well, vacations are good at present and our friend deserves one and we hope he will come back fully restored to health.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCAIARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, 2 1/4 inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

E. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

J. A. Peterson, Cincinnati, Ohio.
Begonia Glory of Cincinnati.

Begonia Lorraine, 2 1/2 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.
"Buds", New York, N. Y.
For page see List of Advertisers.

J. Soletti, Toulon, France.
French Hyacinths, Narcissus and Freesias.

Dutch Bulb & Seed Growers Co., Haarlem, Holland.
Dutch Bulbs.

For page see List of Advertisers.

CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

CHRYSANTHEMUM ROOTED CUTTINGS
WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnaillon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennett Sq., Pa.

CHRYSANTHEMUMS — Continued

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gleria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Seed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

Or Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum. Large flowering, mixed colors, fine bushy plants, 4 inch, \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

DRACANEAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 60

FERNS

- A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oechlin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
Ferns in Flats.
For page see List of Advertisers.
- Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
- Hosea Waterer, Philadelphia, Pa.
Thompson's Vine, Plant and Vegetable
Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 68 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brooklyn,
N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

- McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
- A. H. Hewa & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis
Minn.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

- A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

Geraniums, S. A. Nutt, Beauty Poltevine,
Madame Barney, Buchner, from field, 5c.
each; rooted cuttings, \$9.00 per 1000; un-
rooted, \$5.00 per 1000. Carl Dornbier,
6417 Carnegie Ave., Cleveland, O.

25,000 geraniums in following varieties:
Nutt, Buchner, Jaulin and Ricard, 3½ and
4-in., \$7.50 and \$8.00 per 100. Fine stock,
strong and stocky. Cash please. A. H.
Craig & Son, Stratham, N. H.

Geranium, S. A. Nutt, Double Grant and
assorted, 3½ and 4 inch, 6 and 7c; Sallerol
3 inch, 4c. Stafford Floral Co., Stafford
Springs, Conn.

Geraniums, strong, healthy, 3-in.; in bud
and bloom. Nutt, Viaud, Poltevine, La-
Favorite. 5c. Cash please. O. C. Day,
Hudson, Mass.

Geraniums, rooted cuttings of Ricard,
Poltevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

Geraniums. Ricard, 2 in., \$1.75 per 100.
J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

- E. S. Miller, Wading River, L. I., N. Y.
GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
- Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Green-
house Glass, Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GLAZING PUTTY

- E. H. Hunt, Chicago, Ill.
"Elastic-Lyke"
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.
For page see List of Advertisers

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
- King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America,
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2
and 3-year old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

INSECTICIDES.

- Nicotinoids kills all greenhouse pests.
P. B. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Killed Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.
- Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.
Hammond's Slug Shot.
For page see List of Advertisers.

IRIS

- E. S. Miller, Wading River, N. Y.
IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

In writing to Advertisers kindly mention Horticulture

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass., Dept. 8.
For page see List of Advertisers.

LILIES

E. S. Miller, Wading River, N. Y.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PEAT

C. W. Brownell Co., Walden, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1183 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PANSY SEED

John Gerard, New Britain, Conn.
Giant Pansy Seed.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

PEONIES

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfeld, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1183 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.

For page see List of Advertisers.

L. B. Coddington, Murray Hill, N. J.

The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Pansy Seed.

For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

H. F. Mitchell Co., 1018 Market St., Phila.
Pansy Seed.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

Beans, Peas, Sweet Corn, Onion.

For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.

Primulas.

For page see List of Advertisers.

H. E. Flske Seed Co., Boston.

For page see List of Advertisers.

Wm. Elliott & Sons, New York.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.

For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.

For page see List of Advertisers.

Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

John C. Meyer & Co., Boston, Mass.

SMILAX

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STOCK FOR SALE

Stock For Sale. Cibotium Schiedei Spores,
fresh and clean, \$1.00 per trade packet.
Cash with order please. R. G. Wilson,
215 Greene Ave., Brooklyn, N. Y.

Pansy seedling, 10,000 strong 2½ inch plants,
\$5.00 per 100; \$45.00 per 1000. Cash please.
Keller Floral Co., Troy Rd., Albany, N. Y.

For List of Advertisers See Page 60

STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.
Pot Grown.

For page see List of Advertisers.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

For page see List of Advertisers.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

For page see List of Advertisers.

Choice Celery plants grown from French seed our own testing "Giant Pascal" and "Paris Golden" carefully packed for shipping, 20c. per hundred, \$1.00 per thousand and \$1.25 per thousand for ten thousand or over. Cash with order. Painesville Celery Co., Painesville, O.

CELERY PLANTS.

Stocky well rooted plants; White Plume, Golden Heart, Self-Blanching and Giant Pascal, 20c. per 100; \$1.00 per 1000. Wm. C. Lester, Plainville, Conn.

Cabbage, \$1.00, 1000; Celery, \$2.00, 1000; Cauliflower, 25c., 100. Leonard L. Buckley, Wassatic, N. Y.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25, 1000; \$10.00, 10,000. H. Austin Co., Felton, Del.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.

For page see List of Advertisers.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

WIREWORE

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.

For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St., Buffalo, N. Y.

For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.

For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.

For page see List of Advertisers.

WHOLESALE FLORISTS --**Continued****Cincinnati, Ohio**

The J. M. McCullough's Sons Co., Cincinnati, Ohio.

For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

For page see List of Advertisers.

Phillip F. Kessler, 55 & 57 W. 26th St., N. Y.

For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.

For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St., New York.

For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.

For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ransdell St., Philadelphia, Pa.

For page see List of Advertisers.

Leo. Nlessen Co., 1209 Arch St., Phila., Pa.

For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.

New Offers in This Issue.**ASPARAGUS PLUMOSUS NANUS.**

A. Lenthy & Co., Roslindale, Mass.

For page see List of Advertisers.

GERMAN AND JAPANESE IRIS.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

GIANT PANSY SEED.

Charles Frost, Kenilworth, N. J.

For page see List of Advertisers.

HOSE OFFER.

S. S. Pennock-Meehan Co., Philadelphia, Pa.

For page see List of Advertisers.

ORCHIDS, FRESH ARRIVAL.

G. L. Freeman Co., Fall River, Mass.

For page see List of Advertisers.

PRESERVED NATURAL FERNS AND FOLIAGE.

H. Bayersdorfer & Co., Philadelphia, Pa.

For page see List of Advertisers.

TRADE BULB CATALOGUE READY.

J. M. Thorburn & Co., New York

For page see List of Advertisers.

WHITMANI FERNS.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED**WANTED A WORKING GARDENER.**

English-speaking, Protestant, married, strictly temperate, energetic, thoroughly practical in greenhouse and flower gardening and decorating; keep plain accounts and handle workmen actively and intelligently. References required. Give full particulars. Wages, \$80 a month, house, fuel and light. Address J. R. S., care HORTICULTURE.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1002, Lowell, Mass.

WANTED—Orchid man that had some experience in potting and taking care of same; young man preferred. Address with particulars to "Orchids," care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

SITUATIONS WANTED

SITUATION WANTED—Gardener, head or superintendent, 20 years practical experience under glass and out doors; landscape work and all pertaining to the upkeep of a gentleman's estate. Excellent references, (38), single. H. I. J., care HORTICULTURE.

FOR SALE**GREENHOUSE FOR SALE**

With office, or to let; good will of business goes with it. Apply to

DAVID A. ROBINSON
Revere Beach Parkway, EVERETT, MASS.

FOR SALE OR TO LET—Three green houses, one 18 x 85, two 15 x 75 each; six and one-half miles from Boston market; all modern conveniences. Also lot of land for outside use. Terms reasonable to right party. Apply to Samuel Brown, 320 Beale St., Wollaston, Mass., N. Y., N. H. & H. R. R.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail florist business, fine location. Wm. Doel, Lansing, R. I.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

Page	Page	Page	Page
Advance The Co. 63	Kroeschell Bros. 34	Thurlow's, T. C. 36	Waterer, Hosea. 61
Allen, J. K. 54	Co. 63	Sons, Inc. 36	Welch Bros. 52
Aphine Mfg. Co. 47	Kuebler, W. H. 54	Totty, Chas. S. 36	Wheeler, Wilfred. 36
Aschmann, G. 35			Wilson 50
			Wood Bros. 35
Barrows & Son. 35	Lager & Hurrell. 34	Valentine, J. A. 50	Yokohama Nurseries 36
Bayersdorfer, H. 51	Langjahr, A. H. 54	Vicks, Jas. Sons. 49	Young & Nugent. 50
& Co. 51	Lawrence, H. V. 50	Vincent, R., Jr. & Sons. 35-48	
Beaven, E. A. 55	Leonard Seed Co. 49		
Robbink & Atkins. 36	Leuthy, A. & Co. 35		
Boddington, A. T. 47	Lord & Burnham Co. 64	Wants, For Sale. 59	Zangen, O. V. 49
Boston Florist Letter Co. 51		Ward, R. M. & Co. 49	Zinn, Julius A. 51
Boston Plate & Window Glass Co. 63	MacMulkin, E. 50		Zvolanek, A. C. 49
Breck, J. & Sons. 49	Matthews 50		
Breitmeier's, J. Sons 50	McCarthy, N. F. & Co. 55		
Bridgeman's Seed Warehouse 49	McConnell, Alex. 50		
Brownell, C. W. 35	McCray Refrigerator Co. 51		
"Buds" 49	McCullough's J. M. Sons Co. 52		
Burpee, W. A. & Co. 49	McHutchinson & Co. 47		
Buxton, Doane Co. 63	McKellar, C. W. 52		
	McKissick, W. E. & Bros. 52		
Carrillo & Baldwin 34	McManus, Jas. 54		
Chicago Cannation Co. 35	Michell, H. F. Co. 48		
Clarke's, D. Sons. 50	Michigan Cut Flower Ex. 55		
Cowee, W. J. 52	Millang, A. 54		
Craig, Robt. Co. 36	Millang, Chas. 54		
Crawbuck, G. W. 54	Molinger, J. C. Co. 63		
	Moore, Hentz & Nash 54		
Dards 50	Murray, Samuel. 50		
Dingee & Conard Co. 36	N. E. Nurseries. 36		
Donner & Sons Co. 35	Niessen, Leo Co. 52		
Dow, Geo. E. 48			
Dreer, H. A. 62	Oechslin, Frank. 52		
Dunlop, John H. 50	Ordenez Bros. 34		
Dutch Bulb & Seed Growers Co. 49	Ouwkerk, P. 36		
Dysart, R. J. 55			
	Palethrope, P. R. Co. 61		
Eastern Chemical Co. 61	Palmer, W. J. & Son 50		
Edwards Folding Box Co. 52	Park Floral Co. 50		
Ellwanger & Barry 47	Parshelsky Bros. 63		
Elliot, J. W. Sons. 35	Peacock Dahlia Farms 36		
Esler, J. G. 63	Pennock-Meehan Co. 53		
Ernest, W. H. 62	Perkins St. Nurseries 35		
Eyres 50	Peters & Reed Co. 62		
	Pierce, F. O. 62		
Farquhar, R. & J. & Co. 36	Pierson, A. N. 35		
Fiske, H. E. Seed Co. 48	Pierson, F. R. 34		
Foley Mfg. Co. 63	Pierson U-Bar Co. 64		
Ford, M. C. 54	Poehlmann Bros. 52		
Freeman, G. L. Co. 34			
Froment, H. E. 54	Reed & Keller. 54		
Frost, Chas. 49	Reinberg, Peter. 52		
	Rice Bros. 52		
Galvin, Thos. F. 51	Rice, M. & Co. 34		
Gerard, J. 49	Rickard Bros. 49		
Gloeckner, Carl R. 49	Robinson, D. A. 59		
Greater N. Y. Florists' Asso. 54	Robinson & Co. 52		
Grey, T. J. Co. 49	Rock, Wm. L. 50		
Gude Bros. Co. 50	Roehrs, Julius Co. 47		
Guttman, Alex. J. 54	Roland, Thos. 35		
	Rolker, A. & Sons. 62		
Hail Association. 63	Rosens 52		
Hammond Paint & Slug Shot Works 61	Sänder & Son. 34		
Heacock, Jos. Co. 36	Schlegel & Fother Co. 49		
Heinl, Geo. A. 50	Schultz, Jacob. 50		
Herbert 36	Scott, John. 36		
Hews, A. H. & Co. 62	Sharp, Partridge Co. 63		
Hillinger Bros. 62	Sheridan, W. F. 54		
Hill, The E. G. Co. 36	Siglers & Siglers. 63		
Hitchings & Co. 64	Skidelsky & Irwin 49		
Hoerl Bros. 52	Smith, E. D. & Co. 35		
Home Corresp. School 60	Smith, P. J. 54		
Horan, E. C. 54	Smith, W. & T. Co. 36		
Hunt, E. H. 61-62	Smyth, Wm. J. 50		
	Standard Plate Glass Co. 63		
Jacobs, S. & Sons. 63	Stearns, A. T. Lumber Co. 63		
Jager, Chas. J. Co. 60	Straford, Geo. Oakum Co. 61		
	Stump & Walter Co. 61		
Kasting, W. F. Co. 54	Syracuse Pottery Co. 62		
Kervan Co. 54			
Kessler, P. F. 54	Tailby 50		
King Cons. Co. 63	Thompson, J. D. 35		
Krick, W. C. 54	Thorburn, J. M. & Co. 49		

OBITUARY.

Thomas W. Dee.

Thomas W. Dee, one of Boston's pioneer florists, died at his home in Cambridge, Mass., on July 3, aged 73 years. Mr. Dee had been afflicted for many years with epilepsy and during the past year has been in very poor health, but was not regarded as dangerously ill until about a month ago. He was a veteran of the Civil War, having served in the navy as an assistant engineer. He was born in the navy yard at Portsmouth, N. H., where his father was a commissioned officer.

After the close of the war Mr. Dee went into the florist business with John Galvin and afterwards formed a partnership with Wm. E. Doyle at 57 Tremont street, Boston, where the firm did a large business for many years. After the dissolution of this firm he went into business as Dee Bros., with his brother, the late John H. Dee, and also conducted greenhouses near Mt. Auburn Cemetery. He retired from business about eight years ago. He leaves one daughter, Mrs. J. H. Gearan.

Mr. Dee was the personification of uprightness, a man of the highest integrity, and retained to the last the respect and esteem of the trade with which he had been so long associated.

Louis A. Smith.

Louis A. Smith, a prominent florist at Wheeling, W. Va., died on Monday, June 25th. The funeral was held Thursday, the 28th. Interment was at Greenwood Cemetery.

Mrs. Malvina Sapina Geng.

Mrs. Malvina Geng, wife of the florist Gus A. Geng, Livingston street, Youngstown, Ohio, passed away at her home Monday, June 25th.

PUBLICATION RECEIVED.

The Care of Trees in Lawn, Street and Park, by B. E. Fernow, Professor of Forestry in the University of Toronto, author of "Economics of Forestry, etc."

This is the latest addition to the "American Nature Series," published by Henry Holt & Co., 34 West 33rd street, New York City. That the American public are beginning to take a real interest in the care of trees and their protection is a fact which calls for no argument. All who are in any way professionally associated with forestry, nursery or garden work have abundant evidence thrust upon them in the many questions which they are called upon to answer every day in their lives on topics connected with their avocation. This book, written by a forester and tree lover of wide

repute, comes at a time when its need is unmistakable and will fill a distinct mission in a most effective manner. The author is well equipped in science and practice for a reliable educational work of this character and we predict for his effort a very large and permanent demand, as we know of no book approaching it in concise and comprehensive treatment of the subject of the care of trees for their beauty and esthetic value in the landscape, in the garden and by the roadside. The work is divided into the general sections of: (1) Introductory, (2) Characteristics, Structure and Life of Trees, (3) Disease and Death of Trees; (4) Diagnosing Diseases, (5) Control of Physiological Diseases and Treatment of Mechanical Injuries, General Care of Trees, (6) Control of Parasites, (7) Care in Planting Trees, (8) Esthetic Forestry or Woodland Park Management, (9) Care in the Choice of Plant Material. The latter group includes: "General Considerations," "List of Trees Desirable for Shade and Ornament," "List of Shrubs" and "Selected List of Plant Material for Special Purposes." As a further illustration of the wide scope covered we quote the list of topics considered under Group 5, viz.: "Soil Improvement," "Fertilizing," "Points in Grading," "Pruning and Trimming," "Manner of Operation," "Callusing and Repairing," "Specific Rules," "Pruning for Balance," "Pruning for Form," "Pruning Street Trees," "Pruning for Flowers," "Repairing Damage," "Care of Aged," "Quack Medicines." Although the book is primarily intended for amateurs we would respectfully suggest that there are very few professional gardeners so expert that they cannot learn something which they ought to know from the above enumeration. We notice one or two errors, typographical or otherwise—for instance, the inclusion of *Clethra alnifolia* in list of broad-leaved evergreens. Only one evergreen *clethra*—*C. arborea*—is listed by Loudon, Nicholson or Bailey, but *arborea* is not hardy. The volume comprises 392 pages and is elaborately illustrated. The price is \$2.00 net.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

Has stood the test of over a Quarter of a Century.

THOMSON'S

Vine, Plant and Vegetable

MANURE

UNRIVALLED FOR Vines, Tomatoes, Cucumbers, all Flowering, Foliage and Fruit bearing Plants, Vegetables, Lawns, etc.

The result of many years practical experience.

PERFECT PLANT FOODS

56 lb. bag \$3.00
\$5.75 for two bags

— ALSO —

Thomson's Special Chrysanthemum and Topdressing Manure

56 lb. bag \$5.75

HOSEA WATERER, Seedsman,
107-109 So. 7th St., Philadelphia

Imp Soap Spray

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only spray Not Poisonous to Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.
Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

KILMDEAD

The best of all the tobacco dusts for

Dusting or Fumigating

25 lbs. \$1.00 100 lbs. \$ 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St. New York.



The Best Bug Killer and Bloom Saver

For PROOF Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

In ordering goods please add "I saw it in HORTICULTURE."

Sold by Seedsmen and Merchants all over New England



25 Lbs. of The Old Reliable

USED SUCCESSFULLY SINCE 1880

HAMMOND'S SLUG-SHOT

(I SLAY BUGS!)

1880 1880

KILLS INSECTS SAVES FOLIAGE

TO DESTROY POTATO BUGS AND CABBAGE WORMS and Pests on Tomato and Egg Plants, Currant Worms, Rose Lice and Worms, Flea Beetles and Striped Bugs on Melons, Squash, Turnips, Beets, Onions, Etc. Canker Worms and Caterpillars on Fruit and Ornamental Trees A Preventative of the Rose Bug and Gut Worm.

DIRECTIONS FOR USING.

HAMMOND'S SLUG SHOT when used directly upon the young and tender plants of the Melon, Lima Bean and Cucumber, should be diluted as follows: One Ounce are made sufficiently for such use, with the least of perforated tin. When used against Cut or Wire Worms, put it on the ground around the stems, and its stinging effect will appear quickly after a rain. When used on rarer plants, such as the Potato, Tomato, Cabbage or Turnip, it can be used freely, and remember that the Potato Bug or Slug, will crawl up after getting a dose and die on the leaf.

Benjamin Hammond
Fishkill on Hudson, N. Y.

For Pamphlet on Bugs and Blights write to
Hammond's Paint and Slug Shot Works.
Fishkill on Hudson, N. Y.

Strokum Stops Third Crop of Caterpillars

Bind it around your trees at once. The third crop of caterpillars is one of the worst, and not only injures the trees, but spin the cocoon for next year's destruction. Killing them this year means thousands less next year.

Strokum is easily put on, does not harm trees; is not unsightly, and is easily removed at the end of the season.

Send \$1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it. Send for booklet.



George Stratford Oakum Co.
164 Cornelson Avenue. JERSEY CITY, N. J.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Dows, Ia.—Schaffer & Larson, one house.

Elmhurst, Cal.—E. James & Co., one house.

Tyrone, Pa.—Wm. H. Brause, one house.

Yorkville, Ill.—Jeter & Boston, one house.

Carnegie, Pa.—C. Puhlman, range of houses.

Peoria, Ill.—G. Klopper, Fifth street, addition.

Spirit Lake, Ia.—Judson & Klein, one house.

Indianapolis, Ind.—Pahud Floral Co., two houses.

Catonsville, Md.—Charles H. Cook, four houses.

Providence, R. I.—John M. Green, range of houses.

Oakland, Cal.—M. Shinoda, 73rd avenue, one house.

Oak Cliff, Tex.—The Texas Seed & Floral Co., addition.

Watertown, Ill.—Julius Staack & Son, range of houses.

Erie, Pa.—Baur Floral Co., West 21st street, one house.

Syracuse, N. Y.—C. F. Adams & Co., Hudson street, one house.

Superior, Wis.—Wright & Johnson, 1920 Lackawanna avenue, one house.

Tewksbury, Mass.—Larkin T. T. Chandler, one violet house.

Newport, R. I.—Commodore James, Castle Hill, range of houses.

Kansas City, Mo.—W. H. Humfeld, two houses each 20 x 100 feet.

Bottineau, N. Dak.—The State School of Forestry, one house.

Nashua, N. H.—George E. Buxton, Concord street, house 35 x 160.

Minneapolis, Minn.—Oscar Magnuson, Central avenue, two houses.

Lincoln, Ill.—Gullet & Sons, Logan and Tremont street, three houses.

Chicago, Ill.—Paul Thell, Pingree street, seven houses, to cost \$8500.

Chicago, Ill.—Theodore Fehrmann, North 49th avenue, house 27 x 200 feet.

Washington, D. C.—W. W. Rumlall is adding a large modern greenhouse to the rear of his new store.

PATENTS GRANTED.

961,987. Pipe Coupling. Robert R. Rust, New York, N. Y.

962,288. Cultivating Machine. Delon H. Abbott, Vandemere, N. C.

962,392. Garden Hoe. Angus Sheldon, Kenton, Ohio.

961,251. Lawn Sprinkler. Frank E. Opitz, Long Beach, Cal.

962,780. Lawn Mower. Sven T. Nelson, Chicago, Ill.

962,940. Weeder. Roscoe M. Chambers, Earl, Nebr.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$8.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

Sole
Distributor

E. H. HUNT,

76-78 Wabash Ave.,
CHICAGO.

NEWS NOTES.

Providence, R. I.—John M. Green, it is rumored intends to purchase a place here and erect greenhouses in the near future.

Sunbury, Pa.—Over \$1,000 damage was done by the recent hail storm to the greenhouses of C. E. Rossiter; no hail insurance was carried on the place.

Princeton, Ill.—Lightning struck and destroyed the forty-two foot chimney at the Carl Erickson Greenhouses recently. A new one will soon be erected.

Monrovia, Calif.—R. H. Wilson has sold the business and goodwill of the Pioneer Nursery to the Pioneer Nursery Co. A. Foster is president of this company. George H. Jackson, manager.

New York, N. Y.—H. J. Block has been appointed receiver for the Erkins Co., 305 Madison avenue, manufacturers of garden decorations. The liabilities are over \$10,000 and the assets are \$5,000.

Jacksonville, Fla.—To enable the Mills Co. to have control of all the cemetery work which has previously been divided between the two, the Jacksonville Floral Co. and Mills, the florist, made an exchange of property on June 20th. By the new arrangement the Mills Co. takes the property at Greenwood Cemetery and the Jacksonville Floral Co. takes over the greenhouse property at Oak and Osceola streets, Riverside.

Holds Glass Firmly

See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
Nº 2



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.86
1500 2 1/4 " " "	5.25	120 7 " " "	4.30
1500 2 1/2 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	6 10 " " "	4.80

Send pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

This is what Messrs. P. & W. O. Jahn of East Bridgewater, Mass., say about this house which is 42 FEET WIDE CLEAR SPAN.

FIRST LETTER—

EAST BRIDGEWATER, MASS.

"Now in regard to the house, the material for which you furnished us, we must say that we consider it the best house in this part of the State. In the Northeast gale which we had for two days, the wind blowing in gusts at the rate of 60 miles per hour and striking the house on corner of gable end, you could not notice any vibration or undulation in house or roof of the same. It stood as steady as a stone wall. Mr.—— wanted to build a house, when he looked this one over, which he could use for a wind-break for his other house."

P. & W. O. JAHN

EXTRACT FROM SECOND LETTER—

"Since writing you last, we have had another of our blows, the wind coming from the southwest at the rate of 70 miles per hour, so that we could not even keep a lantern lighted. The greenhouse, although it received the wind on the gable corner, did not vibrate at all. You certainly have a wind-breaker in this construction."

P. & W. O. JAHN

Send for Bulletin No. 35 Which Describes The King Iron
Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

GLASS Prices Are Climbing
If in need of any, and have delayed buying,
write us at once for prices

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

"GREENHOUSE GLASS" GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

Greenhouse Material and Sash
Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781. BROOKLYN, N. Y.

The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475



Be Particular About Your Greenhouse

Don't take "say-sos" — find out what kind of work the greenhouse builder has done, before you give him the job. This is what you always do with all your other important building work. We stand ready to show you some most convincing facts. Send for our illustrated circular.

Hitchings & Company

Designing & Sales Offices
1170 Broadway, N.Y.

General Offices & Factory
Elizabeth, N.J.



Another Suggestion

Don't conclude that because your ground space is limited you can't have a greenhouse. Here is one with three compartments that is located in a crowded city. Back of this charming little curvilinear palm house is a straight roof house and good sized work room. There was just a certain available space between the fence and driveway, and this is the way we made every inch of it tell. The result is most attractive and the houses are thoroughly practical. If you want a greenhouse or anything about a greenhouse, come to us. You will get the very best there is for the money. You can depend on what you get being dependable. What can we do for you right now? Send for Advance Sheets of our New Catalogue.

Lord & Burnham Co.

Irrington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Head Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII. JULY 16, 1910 No. 3



BRASSO-CATTLEYA \times MARIAE
A Hybrid Orchid of Great Beauty.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.
SUBSCRIPTION, \$1.00 PER YEAR



U KNOW US!**LET'S KNOW U!****SPECIAL****HEAVY WATER-PROOF CREPE PAPER****10 1=2c. per roll. Get in at once.**

Having just closed a contract for a very large quantity of the best quality Water-Proof Crepe Paper in all colors, we offer you a part of this lot, for immediate delivery, at \$105.00, per thousand rolls in lots of one thousand or over, F. O. B. Philadelphia.

This is Special and should advise your taking advantage of A GOOD THING.

TO-MORROW YOU WILL KNOW THAT YOU SHOULD HAVE BOUGHT OUR HEAVY WATER-PROOF CREPE PAPER TO-DAY.

Your order will receive our prompt and personal attention.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY**Importers—Manufacturers—Originators****1220 Race Street,****PHILADELPHIA, PA.***Ask for Samples.***NEPHROLEPIS**

BOSTONIENSIS. We have a splendid lot of large specimen plants in 12-in. pots, at from \$5.00 to \$7.50 each; 6-in. at 50c. each.

ELEGANTISSIMA IMPROVED. The finest of this type, never

reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in., 25c. each; 6-in., 50c. each; 8-in., \$1.00 each.

SUPERBISSIMA. Extra heavy plants, 4-in. pots, 25c. each; 6-in. 50c. each; 8-in., \$1.00 each.

BEDDING STOCK

	Per 100
Abutilon Savitzi, 2½-in. pots.....	\$4.00
Acalypha Musaica, 2½-in. pots.....	6.00
Ageratum, three sorts, 2½-in. pots.....	3.00
Alterantheras, three sorts, 2½-in. pots.....	3.00
Alyssum, Sweet, 2½-in. pots.....	3.00
Asters, assorted, 2½-in. pots.....	3.00
Cannas, finest sorts,—Beaute de Poltevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan,—strong plants, 3½-in. pots.....	6.00
Cobea scandens, 2½-in. pots.....	4.00
Coleus—Golden Bedder, Verschaffeltii, and assorted, 2½-in. pots.....	3.00

	Per 100
Crotons, assorted, 3½-in. pots.....	25.00
Geraniums—Dbl. assorted and Rose,—3½-in. pots.....	8.00
Geraniums—Mme. Sallerol, 2½-in. pots.....	5.00
Heliotrope, 2½-in. pots.....	3.00
Moonflower, 2½-in. pots.....	4.00
Nasturtiums, assorted, fine, 3-in. pots.....	4.00
Petunias, 2½-in. pots.....	4.00
Salvia splendens, 2½-in. pots.....	3.00
Vinca variegata, 3½-in. pots.....	8.00
Hydrangea Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, \$1.50 per dozen.....	
Egg Plants, New York Improved.....	4.00

**F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK**

ORCHIDS

Freshly imported in great variety,
arrived in fine condition.

Write for information and prices

LAGER & HURRELL, SUMMIT N. J.**ORCHIDS**

**Largest Importers, Exporters, Growers
and Hybridists in the World**

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

*In ordering goods please add "I saw
it in HORTICULTURE."*

Orchids Fresh Arrivals.

Cattleyas—Trianae, Schroederae, Mendelii, Gigas Sanderiana, Gigas Percivalliana, Speciosissima and Aurea. **Miltonias** Vexillaria and Rozlii. **Dendrobiums** Thysiflorum, Cambridgeanum, Crassinode, Renanthera Imschootiana, **Cypripedium** Bellatulum and Charlesworthii.

Ready for Potting.

Successors to G. L. Freeman.

**G. L. FREEMAN CO.
FALL RIVER, MASS.**

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, **O.** Marshallianum, **O.** Fobesii; **Laelia** purpurata, **L.** cinnabarina; **Cattleya** citrina, **Odontoglossum** grande.

**CARRILLO & BALDWIN,
Mamaroneck, New York.**

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**

— CANNAS —

Cannas will be one of our strong points in the future, not many kinds next fall, only a few of the best, but a good many of a kind, so if you can use quantities of such kinds as King Humbert, Alph. Bouvier, Egandale, Florence Vaughan, Jean Tissot, Louisiana, Pennsylvania, Pres. Myers, Richard Wallace, etc, write us for special prices, naming quantity you can use. We will have a fine collection in 3 in. pots to offer next spring.

SWAINSONA ALBA 3 in. \$3.00 per 100

ALYSSUM, Dwarf and Giant Double 3 in. 3.00 per 100

DAHLIA ROOTS. We are booking orders for fall delivery. Send for List.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

GARDENIAS

2½-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots, \$20.00 per 100.

CANNAS—Gladiator. Green foliage, yellow flower, spotted with red. **Wyoming.** Bronze foliage, red flower. **Louisiana.** Green foliage, red flower. **Assorted Cannas.** Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$8.00 per 100.

Asparagus Plumosus Seedlings, \$1.00 per 100, \$10.00 per 1000.

Asparagus Sprengeri Seedlings 50 cents per 100, \$5.00 per 1000.

SMILAX 2½-inch pots, \$2.50 per 100, \$20.00 per 1000.

A. N. PIERSON, Inc.

CROMWELL, CONN.

ORCHID PEAT

Osmunda Fibre

Either the black or brown grade, in chunks or handpicked, in bags or barrels, ready for the orchid grower.

LIVE SPHAGNUM MOSS, ROTTED or AZALEA PEAT, LEAF MOLD, BALED SPHAGNUM MOSS, all of fine quality.

The C. W. BROWNELL CO.

Walden, N. Y.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots, ... \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

23,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

CHRYSANTHEMUM PLANTS

From 2 1-2 inch Pots.

Immediate Delivery

WHITE	Per 100	Per 1000	YELLOW	Per 100	Per 1000
Oct. Frost	\$2.00	\$15.00	Oct. Sunshine	2.00	15.00
White Cloud	2.00	15.00	Appleton	2.00	15.00
YELLOW			Y. Eaton	2.50	20.00
Monrovia	\$2.00	\$15.00	Halliday	2.00	15.00

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS

Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application or our selection.

\$3.00 per 100. \$25.00 per 1000. 25 at 100 rate. 250 at 1000 rate.

ELMER D. SMITH & CO.,

Adrian, Mich.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Arancaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,

Sangamo, Brilliant pink,

Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

Whitmani Ferns

2½ in., \$5.00 per 100; \$40.00 per 1000; 250 at 100 rates.

Nep. Magnifica, 2½ in., \$15.00 per 100.

H. H. BARROWS & SON

Whitman, Mass.

CHRYSANTHEMUMS

Fine stock from 2½ and 2½ in. pots. Golden Chadwick, Golden Eagle, Virginia Foehlmann, from 3-in. pots, \$6.00 per 100.

J. W. Childs, Lynnwood Hall, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Early Snow, Grace Witney, Golden Glow, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, Jeannette Nonin, J. E. Lager, J. H. Troy, Maud Dean, Meta, Monrovia, Mrs. S. T. Muddock, Money-maker, Mlle. A. Laurent, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Major Bonnaffon, Mme. Bergeman, Nagoya, Polly Rose, Riverside, Robt. Halliday, The Harriott, Timothy Eaton, W. H. Lincoln, White Bonnaffon, Wm. Duckham, White Shaw, fine stock, \$3.00 per 100; \$25.00 per 1000.

WOOD BROTHERS, Fishkill, N.Y.

ROSE STOCK

1000, 4 inch American Beauty at 15c each. 500, grafted My Maryland, splendid stock, 20c each.

2000, each, Brides, 'Maids, Richmond;

1000 Rhea Reid;

300 Ivory; all own root at 6c each.

Chrysanthemums

Our selection, good commercial varieties, at \$5.00 per hundred, \$25.00 per thousand.

Charles H. Totty

Madison, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

APHINE

Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

\$2.50 per Gallon. \$1.00 per Quart.

Buy from your seedsman or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40c.

APHINE MANUFACTURING COMPANY

MADISON, N. J.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Pot Grown Strawberry Plants

We shall have about 50,000 pot grown Strawberry Plants ready to ship during July. These are strong well rooted plants and if you are setting plants this season it will pay you to look these up before purchasing elsewhere. Remember that in buying from us you get plants direct from grower to consumer. No middle man.

Send for our price list

WILFRID WHEELER,
Tel. 154-3 Concord, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

JAPANESE
THE YOKONAMA NURSERY CO. NEW YORK.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Notes From the Arnold Arboretum

The Mock Oranges were this year in very good condition and flowered profusely; particularly the numerous hybrids raised by Lemoine of which there is a good collection at the Arboretum attracted much attention. One of the most distinct is *Philadelphus purpureo-maculatus* which differs from all the other hybrids in the purple blotch at the base of the white petals. It is a neat little shrub not exceeding two or three feet in height with spreading and arching branches clothed with small lustrous nearly entire leaves from one to one and a half inches long; the flowers measure nearly two inches across and appear singly or in threes along the branches. It is supposed to be a hybrid of *P. Lemoinei* and *P. Coulteri*, a Mexican species with the flowers marked with a purple blotch in the centre, but too tender for our latitude; the hybrid, however, is quite hardy. One of the most beautiful of the group of hybrids called *P. Lemoinei* and raised by crossing and recrossing *P. microphyllus* with other species and hybrids is var. *Avalanche*, a vigorous growing shrub attaining six feet in height with long gracefully arching branches which form when in full bloom a veritable fountain of flowers. The individual flowers measure about one and a half inches across and appear in clusters of five to seven along the slender branches; like most others of these hybrids they exhale a delicious fragrance. As floriferous and as vigorous as the preceding, but of upright habit, is var. *Pavillon blanc* with fragrant flowers about two inches across and borne in clusters of five to seven along the whole length of the branches. Lower and upright is var. *Candelabre* with the flowers in threes and about two inches across; the petals are fringed on the margin. Another fine variety is *Gerbe de neige* of upright habit and with large fragrant flowers. Very large flowers more than two inches in diameter has *Rosace*; they appear in clusters of three along the branches; it is a vigorous shrub with comparatively large leaves. Another large-flowered variety is *Conquete* with the flowers about two and a half inches across and presenting on account of the rather narrow petals distinctly the shape of a cross; they are borne in clusters of seven to nine along the branches which finally bend over under the weight of the flowers. Very handsome are the double-flowered varieties. One of the best of them is *Boule d'argent* with very double fragrant flowers generally in clusters of five; it is a low shrub with rather small neat foliage. *Perle blanche* which is of more vigorous growth has semi-double flowers about one and three-quarters of an inch across and borne in clusters of three to seven. Another variety with semi-double flowers is *Manteau d'hermine* with arching branches loaded with semi-double flowers in clusters of three to seven. All these varieties merit to be better known and are well worth a place in our shrubberies. They are easily propagated by cuttings and not very particular as to soil and situation. Besides these varieties one of the most showy and beautiful is our native *P. inodorus* with its gracefully arching branches clothed with lustrous foliage and end of June studded their whole length with large cup-shaped flowers. Of the new Chinese species perhaps the most distinct is *P. sericanthus* with its handsome foliage purplish when young and the spreading racemes of nearly drooping flowers which give the shrub somewhat the appearance of a large flowered *Deutzia* of the type of *Deutzia scabra* (*D. crenata*).

Among the *Loniceras* now one of the most striking is *Lonicera minutiflora* with its bright orange red berries appearing in great profusion; though this Honeysuckle

is in bloom with its rather small whitish flowers one of the less attractive kinds, it is well worth a place in the shrubbery for its bright fruits. Also *L. muscaviensis* is now very fine with its branches heavily loaded with dark red berries.

A decided improvement on the well known *Potentilla fruticosa* is *P. Fridrichsenii*, a cross between that species and *P. davurica*; it is of more upright and compact habit and more vigorous, attaining a height of about four feet; the foliage is of a brighter green and the pale yellow flowers are larger, about one and a quarter inch across, and appear in great profusion during June and July.

Alfred Rehder.

Trans-Atlantic Notes

BERLIN, CHARLOTTENBURG, SCHONEBERG, ETC.

The central attractions for visitors to Berlin this season will be the balcony competitive decorations. Greater Berlin enjoys the reputation of possessing more balconies than any other cities. The displays will enable natives and strangers to judge of the delightful effects of a general scheme of balcony, window and facades of business premises when tastefully carried out.

THE FOUNDING OF A ROSARIUM AT BRITZ, NEAR BERLIN

The municipality of Britz intends to establish a great rose garden to be devoted to the use of the public on a small charge for admittance. It is to be a Paradise of roses, in which every flower will be allowed to open full and no cutting permitted. This park will be laid out in landscape fashion together with architectural embellishments which will make it one of the sights of the world.

THE GARDENS AT TRENTHAM

It is announced in the gardening press that the Duke of Sutherland has decided to throw open to the public the famous gardens at Trentham Hall, Staffordshire, and they were opened for the first time on June 16 on payment of sixpence for each visitor.

KALANCHOES

These African plants, natives in the case of some of the species of Somaliland, are making way in gardens rapidly, for while coming from tropical regions, they are found to flower and thrive under a comparatively cool temperature. *Kalanchoe flammea* has orange scarlet blooms, half an inch in diameter, arranged in branched corymbs. *K. Kewensis* excelsior possesses corymbs ten inches in diameter, furnished with numerous flowers of a rich rosy purple tint. The variety is a sport from *K. Kewensis*, itself a cross of *K. flammea* and *K. Pentii*. A plant of the variety was shown by Messrs. J. Veitch & Sons at the meeting of the R. H. S., on June 21. *K. Dyerii* is a recent addition to the genus—a plant of vigorous growth, having broad, glaucous green leaves and stout spikes about 1½ feet in height, carrying wax-like, tubular flowers, white, 1½ inches in length.

The flowers of *Kalanchoes* are useful for cutting, lasting fresh from ten to fourteen days. Seeds of most of the varieties may be obtained of seed houses of repute. The plants, if treated as is customary with *Kalosanthe coccinea*, only slightly warmer till they come into bloom, are easily grown. Over large pots should not be employed.

Fredrick Moore

HORTICULTURE

VOL. XII

JULY 16, 1910

NO. 3

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
Discounts on Contracts for consecutive insertions, as follows:
One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Brasso-Cattleya X Mariæ.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	69
TRANS-ATLANTIC NOTES—Frederick Moore	69
BRITISH HORTICULTURE—W. H. Adsett	71
BRASSO-CATTELEYA X MARIAE	71
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Aspidistras; Calceolarias; Chrysanthemum Routine Work; Cypripediums; Bouvardias; Pansies—John J. M. Farrell	72
PETER BARR MEMORIAL FUND—David Fletcher	72
A FRENCH ROSE EXHIBITION	73
THE LEOPARD MOTH—L. J. Doogue—Illustrated	73
PEONY EUGENE VERDIER AND EUGENIE VERDIER—E. J. Shaylor	73
CLUBS AND SOCIETIES:	
Chicago Florists' Club—Newport Horticultural Society—Royal Horticultural Society—Greenhouse Vegetable Growers' and Market Gardeners' Association of America—Nebraska State Horticultural Society—American Association of Park Superintendents—St. Louis Ladies' Home Circle—Florists' Club of Washington—Florists' Club of Philadelphia	74
National Sweet Pea Society of America; W. Atlee Burpee, Harry Bunyard, Portraits—Transportation to Rochester	75
Rochester Is Busy	76
Society of American Florists—American Gladiolus Society	76
OBITUARY:	
J. W. Dudley—Prof. Samuel B. Green—Mrs. John H. Halbig—William Culverwell—John W. H. Krumm	76
DURING RECESS:	
Out of the Ginger Jar, G. C. Watson—New York and New Jersey Association of Plant Growers—Long Island Florists' Bowling Club—The Greek Picnic—Ladies at New York Florists' Club Outing, Illustration	77
SEED TRADE:	
The Seed Pea Crop	79
Corn and Beans Prospects in California, Wisconsin and Michigan—The Boston Merger	80
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Store	82
Flowers by Telegraph	83
FLOWER MARKET REPORTS:	
Boston, Chicago, Detroit	85
New York, Philadelphia	87
MISCELLANEOUS:	
News Notes	76-83
Chicago Notes	77
Incorporated	76
Personal—A Bright Spot	83
An Old-Fashioned Garden	87
Philadelphia Notes	87
Catalogues Received	87
Extended Session of Summer School at Kingston, R. I.	92
Concrete Fence Posts	93
Benj. Hammond's New Building	94
Greenhouses Building—Patents Granted	94

Go to
Rochester

The first half of July is well identified as the low-tide period of the horticultural business year—the dividing line between the season which has closed and the new season which is soon to open. The time is not a prom-

ising one for any strenuous hustling for business—the response will hardly pay for the effort. It does, however, provide an excellent opportunity for reviewing the methods and the results of the year which has passed and, in the light of the experience gained, to lay plans for the next, which, when carried out, may make it a bigger and more prosperous season than any of its predecessors. Solomon, the wise man, declared that “wisdom is better than rubies” and is “the principle thing.” Can anyone suggest a better means whereby the seeker for business wisdom may secure an impregnable position on the “firing line” than by attendance at the notable gathering of the profession and accompanying great educational exhibition which is to be held at Rochester four weeks hence? What better use, indeed, can one make of the summer lull?

Estimation and registration

A reform in the matter of phraseology in the registration of new plant names by the various societies engaged in that work would seem to be in order. The introducer of a new variety may be excused if his sanguine eyes see in his production attributes and possibilities hitherto unapproached, and one can readily pardon him if, in cataloging or advertising the same, he should dilate on its extreme productiveness, freedom from disease or bad habits, and make use of many glowing words in attempting to describe its unrivalled color and form and its great promise as a commercial proposition. But these laudatory terms have no place in an official registration, which should properly only cover distinctive characteristics and marks whereby the variety under consideration may be readily identified. Since the officials in charge of the registration books seem willing to accept and give wide publicity to the profuse encomiums which the producer is wont to bestow upon his pet novelties one cannot blame the latter for taking full advantage of the opportunity, but the inappropriateness of it all must be apparent to everyone and no doubt a reform would meet with general approbation, even from the introducers themselves.

Worthy of emulation

Our reading notes this week tell of two large dry goods establishments, one in Chicago, and one in Boston, which have extensively adorned the exterior of their buildings with balcony and window boxes filled with green and flowering plants. There are, no doubt, a few other concerns in various parts of the country which are enterprising enough to do likewise but the truth is,—and it is a fact greatly to be deplored—that in this country our merchants are away behind those in European cities in enterprise of this kind. A nearby view of the Boston building referred to gives some idea of the enormous quantity of plants required and the considerable expense of giving them proper care all through the hot summer. Even though the object sought may be advertising, pure and simple, we see much to commend in this appeal to the appreciation of the beautiful in nature which is a universal attribute of humanity and in the recognition of flowers and verdure as competitors in the race with printers' ink, architecture and window displays, on all of which a vast amount is annually spent for advertising purposes. If it takes a quarter of a mile of window boxes for one establishment consider what it would mean if all the business houses on the same block should follow suit. In direct value to the florist and nursery trade all the “Mothers' days” and “Fathers' days” would be but trifling in comparison to this. The time seems ripe to begin a persuasive campaign and once well started it would soon take care of itself.

British Horticulture

A MILE OF ROSES

What is fairer or more fragrant than an avenue "trellised with clustering roses gay." This thought came to my mind lately when visiting an avenue embowered on each side with thousands of the "Queen of Flowers" on the hillside of Purley, a Surrey suburb, about 13 miles from London. This famous rose walk supplies a continuous row of about a mile of blooms. On reaching the hill the eye is feasted with a blaze of color from the brilliant array. A wide road is flanked on each side by a grass bank. Behind the bank and fronting the picturesque detached villas is the rose garden, which extends as far as the eye can see. The beds are about 25 feet wide, affording full scope for a varied and interesting display, and the cultural standard is of the highest. In the front row are the pompon roses, besides other dwarf kinds. Behind these are H. P. and H. T., the finest varieties in standards and half standards. A fitting background is formed of a splendid selection of vigorous climbing roses, trained on trellis work.

THE ROSE SHOW

From Mr. E. Mawley, the popular Hon. Sec. of the National Rose Society, I learn that there is every prospect for a successful display at the Society's annual show this month. "There are, as usual," he writes, "one or two new features, the most noteworthy perhaps of which is a class for a basket of bedding roses, which ought to be a very pretty one. It will show the suitability of the varieties selected for massing together in large or small beds. The new seedling roses which are shown for the first time for the gold medal of the Society, the greatest honor any new rose can obtain, are always the most popular feature of the show. This year to prevent overcrowding and to allow a comfortable inspection of these novelties they will be shown in a separate tent. Why I think this show is likely to be the finest held for some years is that the season being early and the date of the show unusually late the whole country will be better represented. All the earliest blooms which are generally inferior will be over, and those which follow (the choicest of the season) will be available." As to the show of novelties, Mr. Mawley states: "There are now so many good raisers of roses in the British Isles and for the reasons before stated as to the seasons the display of novelties is likely to be unusually good; the varieties shown will be displayed at their best. There are three features on which we pride ourselves: the position of the show in the charming gardens of the Royal Botanic Society, the loftiness and newness of the tents, and the excellence of the catering for refreshments—luncheons, teas, etc."

THE CARNATION SHOW

The spring show of the Perpetual Carnation Society delayed by the King's death, was held in London on June 9th, and was a gratifying success. There was only one entry in the class for British-raised novelties; this came from W. H. Lancashire, a successful Channel Island raiser who exhibited Emperor, white striped

crimson; Black Chief, dark crimson, and Rose Dore, rosy-cerise. Mr. Lancashire also secured the award for the best group of cut blooms, and the Covent Garden Challenge cup. In the class for American novelties there were three competitors. The challenge cup was obtained by W. E. Wallace, his selection being Delight, Afterglow and Mayday. The silver gilt medal was taken by B. E. Bell, and the silver medal by H. T. Mason, of Hampton Hill. A remarkably good group was staged by C. Engelmann, of Saffron Walden, Essex, which secured a gold medal. The exhibitor is the raiser of Carola, several excellent specimens of which were shown. A bloom which came in for unstinted admiration was a scarlet sport from Carola, which is likely to prove a valuable acquisition.

ITEMS OF INTEREST

Women florists, at a recent meeting, decided to call the attention of the Home Secretary to the withdrawal of his order by which florists' establishments were exempted from certain provisions of the Factory and Workshops Act, and urging him to make a new order.—The July number of the Royal Horticultural Society's "Journal" contains an interesting article by Mr. H. Hincks on the cultivation of fruit in British Columbia.—Owing to the increasing prevalence of streak and yellowing amongst sweet peas, a sub-committee of the National Sweet Peas Society has been formed to inquire into the diseases and pests of this flower.—The annual banquet of the Gardeners' Royal Benevolent Institution was recently held under the auspicious conditions. The sum subscribed during the evening totalled £1,000. The Society has 141 men and 99 women receiving pensions from its funds. Since its foundation there has been distributed by the charity the sum of £130,000.—At the show of the Royal Agricultural Society at Liverpool the horticultural section was a strong feature, being far in advance of previous years' displays.

W. H. Aclsett,

Brasso-Cattleya *Mariae*

This lovely hybrid orchid, a portrait of which adorns our title page, is a product of the crossing of *Brassavola Digbyana* and *Cattleya Warneri*. As a cut flower it out-shines the cattleyas, which have now reached their zenith of popularity in the flower market, but there is no probability that the Brasso-Cattleya will ever, within the experience of anyone now practicing floriculture, become a drug on the flower market. Hybrid orchids are rare in nature and most of those we see in the exhibitions are the product of artificial pollination. The Brasso-Cattleyas were well represented in the recent orchid exhibition at Boston, the winning group by Julius Roehrs Company containing no less than seven distinct representatives. The photograph from which our cover illustration was made shows a plant in the collection staged on that memorable occasion by E. B. Dane, Chestnut Hill, Mass., and we have the privilege of using it through the courtesy of the superintendent and grower at that noted estate, Donald McKenzie. It is worth remembering that while this type of hybrid orchids, is and for many years will be, expensive to procure, yet as a rule and under judicious cultural care they are less prone to "run out" than is the case with collected species, so that anyone making an investment in stock of this quality may feel safe as to its stability.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Aspidistras.

No florist should fail to grow large quantities of this useful plant which stands so well the dust, heat, gas, and darkness of the dwelling room, store or other apartment. For interior decorative purposes either as a permanent or transient adornment of the hotel, office, or house, it has but few equals. One of the principal merits of this plant is its ability to endure neglect as to watering. Now is a good time to increase your stock. Old plants that are not materially gaining in value as they get too large, should be broken up. Divide these densely grown clumps into pieces for 4 or 5-inch pots. They will grow in any good soil that has some fine rotten manure mixed through it. With a little care after dividing them, as they are thrown on their own resources, they will start into making bright and vigorous plants.

Calceolarias.

The seed of *Calceolaria hybrida* can be sown from now up to the first week in August for next season's trade. Sow the seed in well-drained pans, using a very sandy mixture of soil and some clean leaf mold. Give the pans a good watering so as to have them wet through, then scatter the seeds thinly over the surface. This will give less trouble from damping off. Press the seed gently into the soil with a brick or piece of board as they require no covering of soil, and place a pane of glass over the pans. Place in a frame where the shade should be heavy at first, and towards fall it should become lighter. The culture of calceolarias requires the strictest attention as to details. Fresh air at all times is one of the chief essentials. Avoid extremes either way in watering, as these young plants are very susceptible to damp. The loss through damping off is lessened by timely shifting from box to box. When they have made from 4 to 6 leaves they should be potted off into small pots, still using a light sandy mixture. They should have a fine syringing overhead several times a day in bright hot weather. You want to keep the young seedlings healthy and moving until the cooler nights of latter part of September and October, and then you can say that you have made a good start.

Chrysanthemum Routine Work.

Plants set out in the benches in June will now need to be staked or supported in some way, so as to keep them from getting crooked and unsightly. Proper staking and tying as they make their growth, will make a saving of time later on. Keep the soil stirred and free from weeds, attend carefully to the watering so your soil doesn't become sour, do not give water unless the plants require it, and never allow them to suffer for the want of it. Don't try to get too rapid growth by keeping a close, humid atmosphere. Your aim should be for the very opposite—short jointed and sturdy growth, which can only be secured by perfect ventilation, and proper amount of moisture at the root. Fumigate as regularly as the weather will permit. During bright weather syringe them freely morning and after dinner. Watch for caterpillars and grasshoppers, which sometimes give a good deal of trouble.

Cypripediums.

In order to successfully cultivate these orchids, they require a well ventilated and light house into which air can be admitted at all times, in quantities according to the condition of the weather outside. A moist atmosphere during all seasons is essential to their well being. In wet weather admit air freely, otherwise the fleshy leaves are very liable to rot. Dense shading is also detrimental to their welfare; just a light coating during the hot summer months, so as to keep the foliage from scorching is sufficient. Apply water to the roots whenever the compost appears dry and syringe them overhead at least once a day in bright weather. Keep the plants free from thrips by sponging occasionally with a weak solution of tobacco water, and give the house a light fumigating once or twice every fortnight in order to keep down other pests. To strong growing varieties liquid manure will be a material help—that is, if they are well rooted. *Cypripedium* insignis is of very easy culture and is also a profuse bloomer. *C. Harrisianum* and *C. Lawrenceanum* are very fine.

Bouvardias.

Eight weeks more of field culture should make fine bushy plants of the young stock which was propagated last winter, and is intended for next winter's flowering. If the weather becomes very dry they need some watering. If they are planted in a convenient place for water, a syringe after every hot day will be found very beneficial. It is a good plan to go through them at least twice a week and give all those needing it, a pinching so as to have them in a symmetrical form. Being a tropical plant and very sensitive to a low temperature bouvardia should not be left out any later than the middle of September.

Pansies.

Now is the right time to take steps towards the raising of a good stock of pansies for next winter's flowering. Seed sown now will produce good sized clumps, ready to house by the end of September or any time in October. By giving them a side bench in a cool house, they will never fail to give good returns. Procure some good vigorous strain and sow in a cold frame that can be darkened by the covering of boards until the seed starts to germinate. Prick off as soon as they are large enough to handle. Keep your beds constantly moist and never let the surface become parched.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: *Eucharis amazonica*; *Euphorbia fulgens*; *Geranium* stock plants; Repairing and outside painting; Roses, care of young stock; Wallflowers.

City of Mexico.—The Mexican Herald, in its Sunday issue for June 19, devoted the greater part of two pages to an illustrated article on Mexican orchids, mentioning among other noted collectors, J. A. McDowell, of this city, who has spent the greater part of the past 15 years in the search for and collecting of specimens.

Acanthopanax (Aralia) pentaphyllum is spoken of as a promising hedge plant where California privet is not quite hardy. Trimmed back it makes a symmetrical and gracefully formal lawn shrub. The foliage is bright shining green.

PETER BARR MEMORIAL FUND.

By David Fairchild.

Every lover of the daffodil in America knows or ought to know the name of Peter Barr, who has been justly called "King of the Daffodils." Those of us who had the pleasure of knowing Mr. Barr personally feel that in his death floriculture has lost one of the great striking characters of the generation. His absolute love and devotion to the cause of more beautiful flowers and his success in finding and developing them was quite as wonderful as his great-hearted kindness and his attitude of encouragement toward all who cared in any way for flowers or shrubs.

In view of Mr. Barr's wide influence and the wide acquaintance which he made in his remarkable travels as a man, over eighty years of age, around the world, it seems a most fitting thing that the papers and magazines of this country, which print so many photographs of daffodils every spring, should give publicity to the modest appeal for funds for the purpose of commemorating the life and work of this most lovable of flower lovers. Could the appeal be made in early spring and made a general one to all who are lovers of these spring flowers, I have little doubt that the American contribution to this fund would be a most generous one, indeed. There are few ways more effective of stimulating creative work with flowers than that proposed by the Committee of the Royal Horticultural Society in the Peter Barr Memorial Medal.

Walter T. Ware, Ltd.,
Inglescombe Nurseries, near
Bath. June 2nd, 1910.

Mr. D. Fairchild,
Washington, U. S. A.

Dear Sir:—

Allow me to make a strong personal appeal to you to support the objects of the Barr Memorial Fund, particulars of which I enclose. Public appeals are so frequent that this, as in the case of many others has not been so well responded to as the promoters of this scheme would have wished.

I hope that you recognize the hard life's work that the late Mr. Peter Barr devoted to horticulture in general and I feel sure that this alone is a justification to you to readily support the fund now on foot to perpetuate his name.

A second list of contributors is about to be published and I have no doubt you would like to see your name included.

Yours faithfully,
(Signed) WALTER T. WARE.

PETER BARR MEMORIAL FUND.
1910.

Executive Committee.

Chairman,

Wm. Marshall, V. M. H., Auchinraith, Bexley.

Treasurer,

Henry B. May, Stanmore, Chingford, J. T. Bennett-Poe, M. A., V. M. H., Ashley Gardens, S. W.

Wm. Cuthbertson, J. P., Durham Road, Portobello, Edinburgh.

Rev. Joseph Jacob, Whitewell Rectory, Whitechurch.

R. Hooper Pearson, Braewyn, Earlsfield, Wm. Poupert, Marsh Farm, Twickenham.

Chas. E. Shea, Fcots Cray, Walter T. Ware, Inglescombe, Bath.

Hon. Secretary.

Chas. H. Curtis, Adelaide Road, Brentford. Dear Sir (or Madam):

Large numbers of Daffodil lovers having expressed a desire to see a Fund raised for the purpose of commemorating the life and work of the late Mr. Peter Barr. V. M. H., the Members of the Royal Horticulture Society's Narcissus and Floral Committee formed themselves into a General Committee to consider the matter. Various proposals were put forward, but those finding most favour were: the institution of a Peter Barr Memorial Medal, to be awarded annually in connection with work among Daffodils; and the provision of a fund for the maintenance of an orphan through the medium of the Royal Gardeners' Orphan Fund. To carry out these pro-

posals five members of each body were nominated to form an Executive Committee as above.

The late Mr. Peter Barr's great work was among Daffodils, and he may be said to have created the British Daffodil Industry. He also took a great interest in the improvement and introduction of Tulips, Hellebores, Michaelmas Daisies, Lilies and other hardy flowers. Further, he was one of the founders of the Royal Gardeners' Orphan Fund, and served on the Committee of that Charity for many years.

In these and many other ways Mr. Peter Barr did so much to advance Horticulture that the Committee appeal confidently to you for help in giving effect to the above proposals.

Donations should be sent direct to the Treasurer, Mr. H. B. May, Stanmore, Chingford, Essex. Cheques and Postal Orders, made payable to the "Peter Barr Memorial Fund" should be crossed "London and Provincial Banking Co."

Copies of this appeal for distribution among members of Daffodil and other Floricultural Societies will be gladly sent on application to the Hon. Secretary, Mr. Chas. H. Curtis, Adelaide Road, Brentford, Middlesex.

Faithfully yours,

(Signed) WM. MARSHALL, Chairman.
CHAS. H. CURTIS, Hon. Sec.

A FRENCH ROSE EXHIBITION.

The jury of the annual exhibition of new varieties of roses has just met at Bagatelle, for the particular examination of the blossoms of new roses, planted in the spring of 1909, before the "orangerie," which numerous visitors during the entire past year have been able, and during the present year will be able, to compare. This jury, presided over by M. Rebeillard, president of the 4th Commission of the Municipal Council of Paris, was composed of the Conservator of the Forest of Boulogne and the most celebrated grower of roses in every district of France and of the principal foreign countries. None of the roses of 1909 has succeeded in winning the gold medal of Bagatelle. Those which have been adjudged the best and the most beautiful are: Molly Sharman-Crawford, from the English Dicksons, a very beautiful white rose, color "water of the Nile"; and Mlle. Marie Mascure, a grand flower, white, slightly tinged with rose, by Bernaix of Lyons. Next comes Lady Alice Stanley, a beautiful Irish rose, whose petals, of a very pale color, have their reverse of a coral red, obtained from MacGredy, and, lastly, the beautiful red rose, Jules Greveraux, of Croibier.

In the afternoon all these roses received a pleasing visit under the escort of M. Forestier, from the lady patronesses of the Society of the Friends of Roses, under their President, Madame The Marchioness of Ganay. After admiring the roses selected by the jury, these ladies wished to supplement this choice by attaching their medal to three other beautiful roses: Georges Cain, red; Mistress Alfred Zate, a grand flower, semi-double, of a copper-colored rose, almost orange; and Entente Cordiale, of Guillot, a very beautiful rose whose abundant and brilliant flowers are copper-colored because combined of a fine yellow and a bad red.

Already, in making a first examination of the rose novelties of 1910, planted this spring, which may be seen from now on in the Roseraie, the jury has foreseen that, unlike last year, it will be difficult to decide upon the next gold medal, in 1911, for it has been able to see in full development several admirable roses, the most remarkable of which are Beaute de Lyon and Lieutenant Chauré.

THE LEOPARD MOTH.

The Leopard Moth has been frisking about Boston for some years past, but until recently little consideration has been given to his doings. At the present time he has taken the centre of the



MOTH LAYING EGGS

Notice Eggs about the Bark.

stage and pushed the gypsy and brown-tail, which are still with us by the millions, to one side. That he bids fair to rival both of these pests in destructive work is no wild assertion.

A practical lesson on the Leopard



SHOWING COMPARATIVE SIZE OF BORER

He has just been Dug out of Tree.

Moth can be had by inspecting the trees within the city. He shows little preference in choosing his field of labor and on one street in Dorchester he can be found in ash, elm, linden and maple trees. To find him look for

small dead branches and also little spots of sawdust-like matter on the bark of the trees. This latter is what he pushes out of the borings as he works. At times this does not show and a more careful search must be followed to find the openings. The moth is quite large with semi-transparent wings dotted with black spots. The body also is black spotted. The female lays its eggs on the bark of a tree, tucking them in crevices almost impossible to be found, and she may lay a few or a thousand eggs. These eggs are a light salmon color. When the eggs hatch out into caterpillars they immediately bore into the tree. If they happen to get into a branch that is too small they bore out and make another try. After a borer has been in the tree about two seasons he will be about three inches long and nearly as large round as a pencil.

It is possible to control the gypsy and brown-tail moths by spraying the trees with arsenate of lead, but as neither the Leopard Moth nor the borer feeds on the leaves, arsenical poisons are useless. When the pest is found in a tree the best way is to insert a wire into the hole and crush him, but where this is impossible because of the shape of the channel, carbon bisulphide can be used. Inject it and plug up the opening. The gas will kill the borer. It is well to remember in using the carbon that it is not conducive to health to light matches too close to it. It is very inflammable. Where it is a question of small trees it is possible to save them by strick watchfulness, but with large trees the chances of reaching all the borers is very slight. Trees badly infested might as well be cut down, for it is only a question of time before they are killed.

L. J. DOOGUE.

PEONY EUGENE VERDIER AND EUGENIE VERDIER.

Editor HORTICULTURE:

I have a letter from a prominent western grower of peonies saying: "In the last number of HORTICULTURE I notice the write-up of your stock. Is it our old Pottsi Alba you are talking about, or the regular Eugene Verdier?"

The talk was about Eugene Verdier. While I gave you explicit information as to where the spurious plants were being disseminated, you in writing it up were very delicate and that being left out led this gentleman to the question above. The genuine Eugene Verdier is so distinct in its character that anyone once seeing it cannot very well mistake it ever after. The spurious variety is entirely different—stem, foliage, height, and color and quality of bloom. The variety Eugenie Verdier, sold as Pottsi Alba, has been sold in England for twenty-five years or more by Barr & Son, of London, as Eugene Verdier. This no doubt occurred in the first place by misreading the name—a thing very easy to do, where the names are so similar. This variety is also very distinct from either Eugene Verdier or the spurious one. Either variety—Eugene Verdier or Eugenie Verdier—are first-class in every way, and far superior in behavior to the spurious one I was talking about.

Very truly yours,

E. J. SHAYLOR.

Wellesley Farms, Mass.

CLUBS AND SOCIETIES

CHICAGO FLORISTS' CLUB.

At the regular meeting of the Florists' Club, July 7th, the report of the transportation committee, naming the Lake Shore road their choice for the Rochester convention, was made and accepted. The secretary was notified to make a request for a car for the use of the Canadian florists to be attached to the Chicago special at Buffalo.

A motion was made and carried asking the president to appoint three members to act with the transportation committee to furnish entertainment on the train to Rochester. The committee for securing the convention for Chicago in 1911 was requested to report at next meeting. Vice-president Philpott extended an invitation to the club to attend the Canadian convention at St. Catherines on Aug. 10-11-12.

A committee was appointed to act with the standing committee on Good of the Club to make arrangements for the annual picnic, July 31st. At a meeting of the committee held Monday afternoon it was decided to postpone that event one year. The best places all engaged is the reason given. This may add to the Rochester enthusiasm which is gaining with each day, and it is quite possible a suitable place may yet be found for the picnic.

A motion to appoint J. C. Vaughan and A. Lange a committee to see the City Railway Co. about claim for loss of life of Geo. R. Wheeldon, in the interest of his deaf mute son, was carried.

NEWPORT HORTICULTURAL SOCIETY.

A well attended meeting was held on the evening of July 12 and arrangements had previously been made to have a sweet pea exhibition in connection therewith, they having failed to be in time for the recent rose show. Nearly one hundred excellent vases of them were shown, many being of the newer varieties of the Spencer type. The six vases winning first honors included Primrose Spencer, Helen Lewis, Phyllis Unwin, Nora Unwin and White Spencer, and were exhibited by Paul Valquardson. Excellent exhibits were also made by Wm. F. Smith, Gibson Brothers, Stewart Ritchie, C. Robertson, John Baumgartner, Alex. MacLellan, S. Langford, J. Robertson and others. The judges for the evening were Bruce Butterton, A. S. Meikle and Wm. Mackay.

ROYAL HORTICULTURAL SOCIETY.

Some of the rare and notable orchids shown at the meeting of the Royal Horticultural Society on June 21, were *Laelio-cattleya* Mrs. W. Hopkins (*Laelia* Iona \times *Laelio-cattleya* Haroldiana); *Cattleya* Mossiae Bansee, pure white except for a stain of yellow in the tube; *Dendrobium* Williamsianum; *Odontoglossum* Eleanor (*O. cirrhosum* \times *O. Uro-Skinneri*); *Laelio-cattleya* eximia magnifica; *Odontioda* Heatonensis var. St. Vincent; *Odontioda* Vuylstekeae Walton Grange variety; *Zygo-colax* Charlesworthii; *Laelio-cattleya* Canhamiana alba; *Cirrhaea* saccata var. viridissima.

GREENHOUSE VEGETABLE GROWERS' AND MARKET GARDENERS' ASSOCIATION OF AMERICA.

The third annual convention of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America will be held at Grand Rapids, Mich., Tuesday, Wednesday and Thursday, September 27, 28 and 29, and promises to be the most successful ever held by that organization. A splendid program is being prepared and subjects of interest to the vegetable forcer, market gardener and truck farmer will have a place in it. Grand Rapids is the home of Grand Rapids Lettuce and Davis Perfect Cucumber, and the convention will afford an opportunity to visit the famous forcing establishments in that city. Any vegetable grower desiring further information should write to S. W. Severance, Secretary, 508 Walker Building, Louisville, Ky.

NEBRASKA STATE HORTICULTURAL SOCIETY.

The annual summer meeting of the Nebraska State Horticultural Society will be held in Wymore, July 20 and 21. The program includes papers on the following topics:

Ornamental Bedding, Ed. Williams, Grand Island; The Home Beautiful, Mrs. J. A. Wymore; discussion, A. D. McCandless, Wymore; Ornamental Shrubs, Philip Edinborough, superintendent city parks, Lincoln; Hints on Landscaping, W. H. Dunman, landscape gardener, University of Nebraska; Conservation, C. S. Harrison, York; Identification of Catalpa, A. J. Brown, Geneva; Forestry, Mrs. W. A. Harrison; Fruits for the Farmers' Garden, G. S. Christy, Johnson.

There will be a special business meeting of the Nebraska Park and Forestry Association at the Touzolin Hotel, Wednesday evening.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The annual meeting will be held in Harrisburg, Pa., August 9 and 10, and in Gettysburg, August 11. Business of much importance to the future of the Association will be considered and some vital changes in the Constitution and By-Laws will be submitted to the meeting as the outcome of the action taken at the Executive Committee meeting held in Philadelphia, March 26, 1910.

Besides the business session three sessions will be devoted to the reading and discussion of papers. Several excellent papers have been promised. Harrisburg parks will be visited. The Commonwealth Hotel will be the headquarters in Harrisburg and the Eagle Hotel at Gettysburg. F. L. Mulford, Harrisburg, Pa., is Secretary of the Association.

ST. LOUIS LADIES' HOME CIRCLE.

The meeting of the St. Louis Florist Ladies' Home Circle which should have taken place on July 13th has been postponed until July 28th. Members and husbands should take the 1 p. m. car for Clayton and meet at 1.30 at Hotel Autenried and from there they will be taken to President Steidle's home in Central.

FLORISTS' CLUB OF PHILADELPHIA.

The monthly meeting of the above club was held on the 12th inst., and was fairly well attended for a hot weather session. A very interesting discourse was given by W. Albert Manda of South Orange, N. J., his subject being whether we should consider our calling a trade or a profession. Mr. Manda gave many interesting details of the wide training now given in Europe in technical schools and colleges to fit young men for practical work in horticulture and allied lines—the same being also largely in vogue nowadays in this country. On the whole the speaker thought that while largely a trade it was in the higher sense also a profession and that we should, while looking for the dollar, also remember the wider and greater significance of our business and profession—the public good.

The discussion afterwards was lively and many excellent thoughts were given expression by the members. Messrs. Kift, Farenwald, Niessen, Thilow and S. S. Pennock were the principal speakers. Mr. Thilow was very enthusiastic over the good work being done in the school garden movement for the coming workers. Mr. Rust had a good word to say for the horticultural course at State College and instanced many successful graduates from that institution.

The transportation committee reported having visited the Lehigh Valley, Reading and Pennsylvania railroads and quoted rates for the trip to the Rochester convention. The straight fare is \$8.35, certificate plan \$7.83, mileage \$7.24, block of ten \$7.00, each way. The route and train has not yet been decided on.

FLORISTS' CLUB OF WASHINGTON.

A well attended meeting was held at Gude's Hall, July 5th, despite the intense heat. A committee consisting of W. W. Kimmel, O. A. C. Oehmler, Otto Bauer and George Shaffer was appointed to make the necessary arrangements for the annual outing. This summer's picnic will be held this year at the Great Falls, on the last Tuesday in July.

Plans were discussed for the annual Flower Show which will be held in this city some time early in November. A special meeting of the committee was called for July 12th, to formulate special plans.

A committee consisting of Wm. H. Ernst, George Cook and George Shaffer was appointed to arrange jointly with The Gardeners' Club of Baltimore for special cars to the Rochester Convention next month.

After the conclusion of the business meeting, Wm. F. Gude, the host of the evening, invited the club to repair to the basement which had been fitted up to simulate a grotto. The walls were hung with flags and bunting and palms and cut flowers decorated the room, and a most pleasant time was had around the festive board.

The Florists' and Gardeners' Club of Rhode Island will visit the Rhode Island State College at Kingston, R. I., on July 18th. Train leaves Providence at 11.10 a. m. Meet at depot.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The second annual sweet pea show and convention of the above society was held in the St. Nicholas Rink, 66th street and Columbus avenue, N. Y. City, July 12th and 13th. A splendid display was made, considering the two weeks of exceedingly warm weather immediately preceding. Over two thousand vases were staged—distributed among some fifteen or twenty exhibitors. Had it not been for the heavy rain and hail storms in the vicinity of New York last Sunday, there would have been a far finer showing. Many of the largest prospective exhibitors had their entire crops completely knocked out. As it was, the society is to be congratulated on having done so well. The judges were Rev. W. T. Hutchins of Santa Barbara, Cal.; Prof. Beal of Cornell; C. W. Kerr of Philadelphia, and Wm. Sim, Cliftondale, Mass.

Occupying the center of the hall, and by all odds the star attraction of the show, was the exhibit of Arthur T. Boddington, which shone out not only because of superior quality, culture and variety, but pre-eminently also on account of artistic arrangement. The manner in which vases of miniature design were arranged in spirals, circles, and pyramids, to set off the beauties of each individual variety, was admirable. This exhibit was awarded the C. C. Morse prize for the finest trade exhibit.

Next in order, in the glory of the occasion, were the Morton B. Plant exhibits, Supt. Thos W. Head. These showed remarkable finish, and the blooms were wonderful as to color, form, stem and substance. The exhibits from this source were distributed over various classes, and in almost every case, carried off premier honors. Seth Low was also well up to the front and in many cases showed marked superiority over anything else in the show. Hugh Birch, his superintendent, is right up front among the expert sweet pea growers; and the honors are all that he can desire.

Howard Gould, whose superintendent, Harry Turner, is president of the society, nobly held up the reputation of Castle Gould as a center of horticultural excellence with an exhibit at once of the highest excellence; staged in up-to-date style and showing superior skill in arrangement. This exhibit won the Burpee cup for the largest and finest exhibit of sweet peas, staging over fifty varieties—mostly Spencers.

Cornell University had nearly one hundred varieties from their trial grounds, under charge of Professor Beal.

The Scoville exhibits from Connecticut, gardener Robt. Angus, were all of high merit and carried off many premiums.

Julius Roehrs showed orchids—cut and plants—including the following: Cattleyas × Atlanta × Hardyana, × Edwardi and Rex; Miltonia vexillaria picturata, Dendrobium Dearei and Cypripedium callosum Sanderæ and St. Albans. Joseph Manda showed a nice exhibit of cut orchids prominent among them being some beautiful novelties. H. A. Dreer showed a collection of water lilies, ornamental grasses and acorus. John Lewis Childs had a good showing of gladioli,

dahlias, and hardy annuals, including *Dimorphotheca aurantiaca*. Pallisade Nurseries were in strong force with a fine collection of hardy perennials.

The secretary of the society, Harry A. Bunyard, has worked hard to make the show a success. He is satisfied that substantial progress is being made in the work of the society. The great thing in this as in every other



W. ATLEE BURPEE.

President-elect, National Sweet Pea Society of America.

special line is to eliminate the inferior and recognize the merits of the superior sorts—among the confusing ruck of the hundreds of varieties before the public. While it is difficult to draw any hard and fast line he states as his choice for the 25 best sweet peas in sight at present, the following:

Helen Lewis, Countess Spencer, White Spencer, Flora Morse Spencer, Capt. of



HARRY A. BUNYARD.

Secretary, National Sweet Pea Society of America.

Blues Spencer, Aurora Spencer, Senator Spencer, John Ingraham, Black Knight Spencer, Snowflake, King Edward Spencer, George Stark, Frank Dobby, Miss Wilcott, Othello Spencer, Helen Pierce, Mrs. Alfred Walkins, Queen Victoria Spencer, Gladys Unwin, Asta Ohn Spencer, Marie Corelli Spencer, W. T. Hutchins Spencer, St. George, Picotee, Nora Unwin.

The annual meeting of the Society

was held on Tuesday evening, July 12. Papers were read by W. T. Hutchins and Prof. John Craig and a report on the trials at Ithaca was made by Professor Beal. An invitation to meet at Boston at the time of the National Flower Show in March, 1911, was accepted.

Officers were elected as follows: President, W. Atlee Burpee, Phila., Pa.; vice-president, Wm. Sim, Cliftondale, Mass.; treasurer, A. T. Boddington, New York; secretary, H. A. Bunyard, New York; executive committee, Harry Turner, A. C. Zvolanek and J. K. M. L. Farquhar.

TRANSPORTATION TO ROCHESTER CONVENTION.

The following letter has been received from the Lake Shore & Michigan Southern R. R. as to what they will give the Chicago Florists' Club in the way of rates, etc., for the Club special train to the S. A. F. convention at Rochester, New York:

Chicago, July 2nd, 1910.

Transportation Committee,
Society of American Florists,
Chicago, Ill.

Gentlemen:—

Referring to the next meeting of your Society which is to be held in Rochester, N. Y. in August of the current year, the L. S. & M. S. Ry. begs leave to submit herewith a tentative proposition covering transportation of your delegates and friends from Chicago to that point.

Special train, same to be counterpart of the Twentieth Century limited and to consist of the following equipment: combination baggage and buffet car, one of the famous Lake Shore diners, as many twelve section and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give every-one plenty of room, the train to be finished off with either an open section or compartment observation and sleeping car.

For a schedule we would suggest leaving Chicago at 5.30 P. M. Monday, August 15th, arriving in Rochester at 9.00 A. M. Tuesday morning, Aug. 16th.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan which means full rate, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. Pullman rates are as follows: double lower berth or upper berth \$3.00, section \$6.00, compartment \$8.50, drawing room \$11.00.

With this letter I enclose one of our system lines folders viz: Big Four Route by which you will note that your people from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to your special train at Cleveland thus bringing you all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people it would be a very easy matter for them to join your special train at Toledo.

Your St. Louis people could come via Chicago and join your special train here if they so desired as the same rate would apply through Chicago as via the direct line.

Hoping for your kind and favorable consideration of this proposition and assuring you of the highest class of service and equipment in every detail also the services of either myself or someone else to accompanying you for the purpose of seeing that everything goes smoothly and you get everything that is coming to you.

Yours truly,
G. K. Thompson,
G. A. P. D.

The Chicago Florists' Club would be glad to have members of any outside Florist Club who contemplate going to Rochester, join them and go down on the Chicago Florists' Club's special train. Any club desiring to do so will kindly correspond with L. H. Winter-son, Secretary of Chicago Florists' Club, 45 Wabash Ave., Chicago, advis-

ing how many members will go and full particulars.

L. H. WINTERSON, Secy.

ROCHESTER IS BUSY.

A monthly meeting of the Rochester Florists' Association was held Tuesday night, July 12. All in attendance were very enthusiastic and if hard work will make the convention next month a record breaker it will be nothing less than that. Superintendent Chas. H. Vick finds his time fully occupied locating space for the exhibitors and in correspondence on trade display matter. Eating and sleeping have been only secondary considerations with Charley of late

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Roses.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the Roses described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

A sport of My Maryland, originating with A. N. Pierson, Inc., in 1908. This rose in every way resembles My Maryland except in color. It is a shell pink outside, shading deeper towards the center, which is a creamy yellow, and sometimes quite a deep yellow. During the hot weather, however, the yellow center disappears, and the rose looks very much the color of an Enchantress Carnation. It is very fragrant.

This rose will not be disseminated until the spring of 1912.

Name—"Lady Cromwell."

A strong growing climbing rose, making shoots of from 10 to 12 feet in a season. Foliage bright, glossy green, free from mildew or black spot. Flower 4 to 5 inches in diameter, pure ivory white. Petals of great substance and beautifully cupped. The plant is very floriferous, literally covering itself with its large flowers. Resembling the Clematis Henryii, they are borne on long stems 12 to 18 inches long and are very fragrant. Buds are very large and fine for cutting. Can be used either as a pillar or climbing rose.

Name—"Purity."

A sport of Killarney, originating with the Montrose Greenhouses, Montrose, Mass., and acquired by A. N. Pierson, Inc., by purchase. It is a sport of Killarney, identical with the parent in habit and size of bloom. The color, however, is much darker than Killarney at all times of the year. This rose will be disseminated in 1911.

Name—"Dark Pink Killarney."

H. B. DORNER, Secretary.

July 7, 1910.

AMERICAN GLADIOLUS SOCIETY.

The schedule of prizes and entry blanks for the Rochester exhibition are now ready to mail, and any one interested that does not receive them may obtain them by applying to me before August 12th.

Geo. B. Hart has offered a silver cup

for the exhibition containing the largest number of standard varieties.

When it is desired that exhibits be staged by the society, notice should be sent as early as possible to the corresponding secretary.

Exhibits by express should be addressed to American Gladiolus Society, Convention Hall, Rochester, N. Y.

President Hendrickson has appointed the following committee on awards: Prof. L. B. Judson, Ithaca, N. Y.; Michael Keller, Rochester, N. Y.; Al. Salter, Rochester, N. Y.

L. MERTON GAGE.

Orange, Mass.

OBITUARY.

J. W. Dudley.

The sudden death of John W. Dudley, which occurred Sunday evening, July 3, at his home in Dudleyville, Parkersburg, W. Va., was learned with deep regret by everyone, as he was unusually well-known and respected in his city and county.

He had been in ill health for nearly three years, afflicted with a complication of diseases, but the greater part of the time he was able to attend to his greenhouse business, though in that time he rarely came down town, as was his custom before he became ill.

Mr. Dudley was 69 years of age, and a native of Oswego County, New York. He was the son of the late Lysander Dudley, the family removing to Parkersburg about 1852, the father becoming prominent in the business affairs of the community as a contractor, some of the larger and most important of the older buildings of the city having been constructed by him.

J. W. Dudley, in his early manhood engaged in business, devoting his early energies to the establishment of a greenhouse. This business he made his life work, his father being associated with him. At the death of the latter his brother, Lysander, was connected with the enterprise. Of late years the firm has been J. W. Dudley & Sons. The business has grown to large proportions, the most extensive of the kind in the state.

Mr. Dudley is survived by his wife (second), and four sons and seven daughters by his former marriage. His home life was an ideal one. He was kind and generous, dispensing charity liberally but unostentatiously.

Prof. Samuel B. Green.

The sad news has just come that Samuel B. Green, Dean of Forestry and Professor of Horticulture of the University of Minnesota, died July 11 of apoplexy, while lecturing to a class of students at the University Forestry School station at Lake Itaska. No man in the state was better known in agriculture, horticulture and forestry circles than Professor Green. He had been connected with the college since 1888, was a member of the State Board of Forestry, President of the State Horticultural Society, and a prominent member of the Society of Horticultural Science. He was born in

Chelsea, Mass., in 1859 and graduated from the Massachusetts Agricultural College in 1879. He was one of the leading horticultural authorities in the country and his loss came as a shock to his associates and numerous friends

Mrs. John H. Halbig.

Mrs. John H. Halbig, mother of Henry Halbig who has been gardener at the Graves' estate, Orange, N. J., for many years, died on July 6, at the Orange Memorial Hospital as the result of an operation which she underwent a few days before. She had been ill for the past six months. Mrs. Halbig was a native of Germany. Besides Henry Halbig, one other son and a daughter, also her husband, survive her.

William Culverwell.

The death of this well-known English gardener and hybridist took place on June 19. The deceased was an indefatigable raiser of culinary peas, and of these the widest known are Telegraph and Invincible. He worked during many years on the polyanthus, and made great improvements in the color, size of the flowers and habit of these plants.

John W. H. Krumm.

John W. H. Krumm, until a few years ago associated with the Krumm Bros. Floral Co., St. Joseph, Mo., died July 1st, aged 45 years. With two of his brothers Fred and Henry Krumm, he has been employed in the florist business about 25 years. Four brothers and two sisters survive him.

NEWS NOTES.

San Francisco, Calif.—The Pacific Nurseries have been sold by F. Lude-mann to his son who will carry on the business.

Logan, Utah.—V. A. Armstrong and daughter are building a greenhouse here and will do business under the name of the Cache Valley Floral Co.

Northampton, Mass.—H. W. Field, the florist, has purchased an extensive tract of land of the Watson estate and has given the part which he is not going to make use of himself to the children as a play ground.

Marblehead, Mass.—The florist business formerly conducted by Larkin Hayden has been formed into a company to be known as the Devereux Co-operative Greenhouse Co. The officers of this company are Larkin H. Hayden, president, and Roger Upton, treasurer.

Philadelphia, Pa.—The Valley business of Walter P. Stokes has grown so that it is necessary for him to make another addition 20 x 100 feet at Floracraft, Moorestown, N. J., making the third new greenhouse this year. Mr. Stokes is now in Europe visiting the bulb and seed growers.

INCORPORATED.

Salt Lake City, Utah.—The Western Nursery Co., capital stock \$10,000. F. E. Clark, president; H. C. Clark, vice-president and manager; George D. Cardon, secretary, and Katherine S. Clark, treasurer.

During Recess

Out of the Ginger Jar.

What's the use of growing. It's the usual hot weather July. Of course, flowers are poor, and prices at the vanishing point. But it might be worse. Suppose they should pass a law that you shouldn't go fishing. Suppose bursted calyxes should be a penitentiary offence. Suppose too tight or too open roses were prohibited. Suppose there were no mint juleps nor butter-milks. Suppose Luther Burbank should break loose again. Suppose Tom Daly should fire some more of his "near Scottish" at the ginger jar. Suppose the Editor should waste basket this!

Suppose Bill Graham should forget to damn the Macphersons. Suppose we should never hear from John Birnie any more. Suppose P. Welch should boycott 28th street at Memorial Day. Suppose the bitter cry of outcast Israel was heard no more in the land. Suppose a million things like these and wouldn't the gayety of nations be stilled and the world become "a black aceldama of sorrow, where the earth of a dusty today is the dust of an earthy tomorrow?" Therefore, let us be thankful that things are no worse than they are.

One of our esteemed Chicago friends makes very free with the ginger jar's feelings, and seems to go farther than Tom Daly—even having the temerity to observe that the only thing that could move us would be a soothing application of Bonnie Doon. All we can say is, that the only thing we can think of that would move Michael B. would be a charge of dynamite. But outside of that he's a pretty good fellow.

G. C. WATSON.

St. Louis Florist Club.

The Florist Club trustees say that everything is in readiness for the Club's picnic, Thursday, July 21st, at Ramona Park. All florists are invited with their families, and they hope that

all the employers will give employees a day off. There is no expense to any one attending this outing and the trustees, who have the affair in charge, expect a record breaking crowd. A fine band has been engaged for the young folks and plenty of prizes for all games. All four wholesalers have contributed for the prizes. Invitations have been sent out to all in the trade; should any one fail to get one, just apply to any member of the club.

New York and New Jersey Association of Plant Growers.

The plant growers' outing, long-looked forward to by the jolly company which participates in the periodical good times enjoyed by the members of this Association and their friends, came off as announced, at Lake Hopatcong, N. J., on Thursday, July 9. There were about 75 members and guests fully one-half of the number being ladies. An early morning trip on the D. L. & W. R. R. from Hoboken, a boat ride around the lake, no less than five meals, boating and bowling were among the enjoyable features of the day. The only mishap was the overturning of Schultheis Bros.' canoe and consequent soaking for the occupants. Tony took to water like a duck. Among those present was S. A. F. President F. R. Pierson.

Long Island Florists' Bowling Club.

Scores Tuesday afternoon, July 12, were as follows:

						aver.
						age.
Donaldson	149	180	203	178	200	182
Einsmann	158	178	155	156	186	162
Kessler	151	149	183	146	146	155
Siebrecht, Sr.	148	150	176	139	139	150
Siebrecht, H.	113	179	141	145	131	147

Donaldson is certainly warming up for Rochester convention. Visitors are welcome every Tuesday afternoon at 2 p. m. at Trieb's alleys, Broadway and 2nd avenue, Astoria, L. I., N. Y.

The Greek Picnic.

This glorious annual affair under

the auspices of the Greek florists of New York city, came off on Thursday, July 7 and was an unprecedented success—over six hundred being in attendance, many of the wholesale florists of New York being among the number. It was an ideal day; everything was conducted in most exemplary style and the games were warmly contested. George D. Nicholas made a speech, eloquent and enthusiastic as usual.

The Minnesota State Florists' Association will hold their annual picnic at Wildwood (St. Paul) on either the 26th, 27th or 28th of this month.

CHICAGO NOTES.

A Patron of Horticulture.

Some complaints are heard of a scarcity of good stock these hot days but Mr. Starrett, buyer for the New LaSalle hotel, says he has no trouble in finding first-class roses of which he uses from one thousand to twelve hundred each day. No carnations are used at this season. The roof garden is very attractively decorated with long boxes of plants placed on the broad railings of the balconies on the 19th floor. The ceilings have been covered with blue and draped with festoons of artificial flowers and autumn leaves to give an out-of-doors effect. Huge palms and hydrangeas are scattered about and when the glass doors on all sides are open the strong lake breeze completes the open air effect.

News of the Flower and Plant Trade.

E. Weinhoeber will make some changes in his retail store on the north side, tearing down one of his show houses and building in its place a second work room for handling stock.

A. Lange is giving his employees a vacation in installments of six, after the best season that store has ever known. Herbert Stover, Otto Larson, Misses Arnold and Lampert are among the fortunate ones this week.

At a large wedding decoration in July at Lake Forest Mr. Weinhoeber used 34 wire posts covered with "Mexican Ivy," and twined with garlands of Shasta daisies, topped with bouquets of the same flower and placed at the ends of the pews. The effect was fine.

It was the Bohannon Floral Co. and not the Bohemian Floral Co., as our notes had it last week, which won first prize at Lake Forest two weeks ago. Mr. Bohannon has just completed his first year in the University Club building and has found business up to his expectations.

Peter Pearson, 1727 N. Campbell avenue, has sold his stock and leasehold to Geo. Jung who formerly rented the greenhouses at 2217 Rockwell street. This place was sold last week to A. Otto of Antigo, Wis., who took possession at once. Mr. Pearson is looking for a suitable location and expects to build.

There are practically no blooming plants left in the market with the passing of the hydrangeas which have been very popular for use in the large hotels. To take their place in the Blackstone this week, Mr. Mangel bought several hundred dollars' worth of green plants, among them some large and handsome "made up" palms with centre plants ten feet high.

Hoerber Bros. at Desplaines are still



LADIES AND PARASOLS AT N. Y. FLORISTS' CLUB PICNIC

Heacock's Large Palms in Cedar Tubs—Durable, Serviceable, and Good for Lots of Rough Handling.

The "Heacock Way" of growing Palms means a lot more than developing perfect plants, though we're proud enough of that. It means growing them—the large sizes especially—in substantially-but tubs of Virginia cedar, well hooped and neatly painted. We have found, by careful trial, that the larger sizes do better in tubs than in pots, and hereafter will supply our Kentias, in 7 inches and above, in these cedar tubs.

You will appreciate this fact because you can handle the outfit as you please, without danger of breaking it; you can carry it around by the top with the assurance that the tub won't fall—and you know that a plant never fits rightly, once the pot has come off. Therefore the "tubbed" palm grows, and ships, and handles, better than the potted one, and gives better satisfaction in every way. Your customers, too, will find them just as ornamental as jardinières, and easier to handle.

Putting our palms in tubs because it makes them grow better, is only a single instance of the pains we take to grow Palms that will really succeed—make money for you and please your trade. The fact that we have been serving the same customers season after season for years, and that we are continually adding to our list of new ones, rather indicates to us that our palms are what the trade wants. Are you with us? If not, we'll welcome an opportunity to demonstrate!

KENTIA BELMOREANA.			
Pot	Leaves	High	Per doz. Per 100
5-in.	6 to 7	18-in.	\$6 00 \$50 00
5-in.	6 to 7	20-in.	9 00 70 00
		Each Dozen	\$12 00
6-in.	6 to 7	22 to 24-in.	\$1 00
Tub		Each	
9-in.	6 to 7	42 to 48-in.	\$5 00
9-in.	6 to 7	5-ft.	\$7 50 and 8 00

MADE-UP KENTIA FORSTERIANA.		Each	ARECA LUTESCENS.		High	Each
9-in. tub, 4 plants in tub, 12 to 48-in. high.	\$ 4 00		6-in., 3 plants in pot, 26 to 28-in.	\$1 00		
12-in. tub, 4 plants in tub, 6-ft. high.	15 00		7-in., 3 plants in pot, 30 to 32-in.	2 00		
			8-in., 3 plants in pot, 36-in.	2 50		
			8-in., 3 plants in pot, 42-in.	3 00		
			COCOS WEDDELIANA Per 100			
			2½-in. pot, 8 to 10-in. high.	\$10 00		
			PHOENIX ROEBELENII. Each			
			5-in. pots, nicely characterized.	\$1 00		
			6-in. pots, nicely characterized.	1 50		

"When in Philadelphia be sure to look us up"

JOSEPH HEACOCK CO.,

Wyncote, Pa.



having difficulty with their water supply. Their driven wells at a depth of 1125 feet were yielding a fine flow of water and were to be complete at 1200 feet. Just at this time occurred the well diggers' strike and the machinery stands abandoned for the time and greatly to the inconvenience of Hoerber Bros. during the continued drouth.

Frank Benthey, Jr., has resigned his position as manager of Hoerber Bros.' greenhouses at Desplaines and rumor has it that he contemplates going into business for himself next fall. Joe Dunn who has been foreman for the J. A. Budlong Co. for several years and who this spring started into business at Sturgis, Mich., has given this up and taken the management of the Hoerber Bros.' plant.

Among the choice stock coming into the market during these hot days are asters from A. Myers' place at Dalton. Mr. Myers had also fine asters last year and attributes his success to the close attention he gives them. Frank Beu has been very successful with double hollyhocks which find ready sale. Some fine (for the season) golden glow chrysanthemums are in the market, but find slow sale.

C. S. Tarbox of Mt. Clare, Ill., sends into the market some fine perennials, particularly larkspur and poppies of immense size. Mr. Tarbox started his place several years ago, having completed thirty years of teaching in the Chicago schools and retired with a pension. He will devote most of his time to the growing of flowers for the market. Mr. Tarbox believes more should be done to foster the nat-

ural love of flowers and plants in the school children and while teaching gave away hundreds of plants to children who had no way to get them otherwise.

Personal.

Henry Kruchten and Gus Alles are each enjoying a well-earned vacation.

The mother and other relatives of the Leesley Bros. are on their way home from a trip abroad.

Robt. Kroeschell, son of J. Kroeschell of Kroeschell Bros., was married July 6 to Miss Hawley.

Mrs. Edw. Roos and children of Peducah, Ky., are visiting Frank Oechslein, Mrs. Roos' brother.

Wm. Wienhoeber is home from Pittsburgh and is as yet undecided where he will spend the coming year.

Martha Gunterberg of the Flower Growers' Market, and Josepha Then are spending two weeks in Fairmount, Minn.

A party of ten young men, including

F. Pasternick of Wienhoeber's and Kolbrand of Amling's will spend two weeks fishing, at Torch Lake, Mich.

Harry Philpott of Winnipeg, B. C., came Thursday to attend the meeting of the Florists' Club and will make Chicago his headquarters till the 25th, when he will leave for St. Catherine's to attend the annual meeting of the Canadian Horticultural Association, of which he is president.

The many friends of Chas. W. Scott in Chicago are interested in learning of his retirement from Vaughan's Seed Store in New York and his taking the management of the Yokohama Nursery Co. Congratulations are offered for the life partner Mr. Scott has recently secured, though none of the particulars of his marriage to Miss Mills are known here as yet.

Visitors:—A. L. Tonquist, Benton Harbor, Mich.; H. Philpott, Winnipeg, B. C.; H. O. Fisher, Kalamazoo, Mich.; Robt. Buist, Philadelphia.

DIRECT PURCHASE FROM FRENCH GROWER WITHOUT PASSING BY DEALER

Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

Freesia Refracta Alba.

Etc., Etc., Etc.

SOLEILLET, Horticulteur, Toulon, France

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼-oz., 75c; ½-oz., \$1.50; ¾-oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye..	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black...	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white..	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$1.50 100; \$3.00 1000.

PRIMROSES OBCONICA AND CHINESE

Best strain, 2 ½ in. pots, \$1 per 100, \$25 per 1000.

Cash with order.

FRANK OECHSLIN

4911 Quincey St., - CHICAGO, ILL.

Seed Trade

The Seed Pea Crop.

We missed our usual crop notes in last week's issue, but can give some interesting, if not welcome, crop news this week. In the recent issue we stated that all indications pointed to a very short crop of peas again this year. Since that time the worst fears of the seed growers have been realized and while we have not and could not at this time get exact figures we may state confidently that the crop will be at least as short as last year, and we fear even shorter. This will be most unwelcome news to the seed trade as well as to the canners of the country. Practically no seed peas were carried over from last year, and a good liberal crop this year would have been readily absorbed; hence the empty bags and bins followed by another great shortage will probably be keenly felt by all interested parties. It looks at this time as if we were going to have new high price records on peas, and anyone in the trade who can secure good stocks at any prices named at this time should not hesitate a moment to take advantage of same. The trade as a whole have not yet waked up to the actual situation, and probably will not, as usual, until they receive estimates from the growers; then it will indeed be an unhappy awakening. There can be no possible mistake about the general condition of the pea crop at this time. Our information is direct from first hands and from sources that leave no room for doubt, therefore, we beg to say again to the trade—*get to cover just as speedily as possible.*

We shall probably be able to furnish more detailed information in the near future as to the pea crop, but at this time it is not quite clear which class of peas has suffered the most,

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

FERNS IN FLATS

We can still offer these varieties

Pteris Wimsetti
" Mayii
" Hastata
" Magnifica
" Gilberti

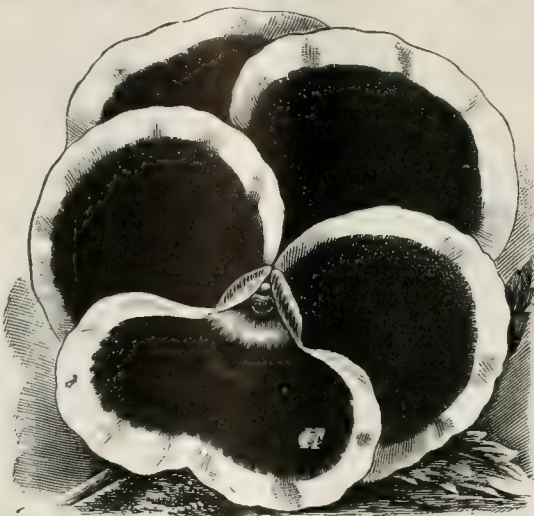
Pteris Adiantoides
" Serrulata
" Serrulata Var. Cristata
" Cretica Albo-lineata
" Aspidium Tsussimensense

About 110 clumps per flat. Price \$2.00 per flat. Cash with order for less than 5 flats or from other than regular customers.

Shipments go by express during July and August

McHUTCHISON & COMPANY, 17 MURRAY ST. NEW YORK

PANSY SEED — Michell's Giant Exhibition Mixture



A Giant Strain which we have procured from the leading Pansy specialists in England, Germany and France, and for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade packet, 50c.; 75c. per $\frac{1}{4}$ oz.; per ounce, \$5.00.

GIANT PRIZE	Trade pkt.	Oz.	GIANT PRIZE	Trade pkt.	Oz.
Azure Blue.....	40c	\$1.50	Snow Queen, pure		
Black Blue.....	40c	1.50	white	40c	1.50
Emperor William....	40c	1.50	White with Eye.....	40c	1.50
Hortensia Red.....	40c	2.00	Pure Yellow.....	40c	1.50
Lord Beaconsfield....	40c	1.50	Yellow with Eye.....	40c	1.50

MICHELL'S GIANT STRAIN. Our Giant Prize Pansies are not to be compared with the ordinary Giant Trimardeau; the seed we offer will produce flowers of much heavier texture.

Our Wholesale Summer Catalogue of Seeds, Bulbs and Supplies, free upon request.

HENRY F. MICHELL CO.
518-1018 Market St., Philadelphia

the earlies, the medium earlies including the dwarf varieties, or the tall growing and later varieties. The facts about this will no doubt develop within the next few weeks. We may say, however, that all have suffered great damage.

Corn and Beans.

While it is somewhat early to say what the outcome of the bean crop will be, we regret to report that conditions at this stage are anything but favorable. A good rain in the near future, and at reasonable intervals for the next two months, would no doubt make a fair crop of beans, but if the present weather continues much longer, beans will be in the same class as peas. Just as soon as we get further information we will give it to our readers.

Like beans it is somewhat early to state with any confidence what the corn crop will be, but it cannot be denied that at this time conditions are distinctly unfavorable. With the right sort of weather and with frost holding off until the 1st of October, there is yet time for a very fair corn crop, but it must be born in mind that all conditions must be favorable from now on to insure this. In other words the crop has used up its reserves and must have everything in its favor during the rest of the season to properly mature.

Prospects in California, Wisconsin and Michigan.

California crop conditions continue favorable with but few exceptions and these not of great importance. The European situation so far as we are able to learn remains unchanged, at least for the better. Whatever changes that have taken place so far as we can ascertain have been towards further deterioration. Viewing the situation as a whole, California seems to be the only bright spot on the map this year, but as hope springs eternal, we may yet continue to cherish the thought that matters may not be as bad as they now appear.

One of the features of the present crop situation is the fact that all reports indicate that Wisconsin has suffered more severely this year

from drought than Michigan, and judging from information that has come to hand it looks as if the canners of the Badger State will not get an average of over half a pack on the acreage planted, while the seed growers will harvest by far the lightest crop of pea seed since the industry was commenced in the state. Conditions in Canada are much the same as in Michigan, which means that the best is bad enough this year. We asked a prominent seed grower what effect another short crop would have on the farmer, and if it would mean another jacking up of prices. He replied: "We will cross that bridge when we get to it. Sufficient unto the day is the evil thereof." It would seem as if prices had reached the limit upward, but as our friend remarks: "Sufficient unto the day is the evil thereof."

The Boston Merger.

The much discussed consolidation of three seed houses in Boston, viz., Schlegel & Fottler Co., W. W. Rawson & Co. and the H. E. Fiske Seed Co., has now taken definite form and the officers of the new concern have been selected as follows: President, John Fottler; vice-president and manager, H. E. Fiske; treasurer, W. C. Briggs; secretary, H. W. Rawson. Mr. Rawson will not be actively interested in the new firm. Most of the employees of the H. E. Fiske Seed Co. and Schlegel & Fottler Co. will be retained.

W. W. Rawson & Co. have closed their doors and their headquarters are with the H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Square. This will be the location of the new corporation and the building is being extensively repaired in preparation for their occupancy together with large storage facilities outside.

The actual merging of the three concerns is thus far only an agreement, as we understand it, and will not become a fact until after stock-taking and figuring up. Amount of capitalization will depend upon stock and financial condition at the time of closing the books.

We congratulate Mr. Fiske on the success which has attended his efforts

since he decided to go into business for himself a few years ago. He has "made good" and any advancement that the new alignment may mean for him is fairly earned and well merited.

Robt. Buist of Philadelphia, spent Sunday with Chicago friends en route for the Pacific Coast.

CINERARIA

Hyb'd Large Flowering

Trade Pkt. \$1.00

WM. ELLIOTT & SONS,
42 Vesey St., New York.

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head 2-c. \$1.00
10,000 and over, 85cts. per 1,000

CELERY—White Plume,
Golden Self Blanching, Giant
Pascal, Golden Heart and
Boston Market 20c. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. E. Fiske Seed Co.,
Boston, Mass.

CATALOGUE
Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS

FLOWER SEEDS

Get Our Prices

79 and 81
E. KINZIE STREET,

CHICAGO

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures. 2000 seeds 50c., 5000 seeds \$1.00, $\frac{1}{4}$ ounce \$1.25, ounce \$5.00, pound \$50.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades. Trade pkt, 25c., any five \$1.00, 12 pkts., one of each variety, \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 seeds of Rainbow free, and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN

ROCHESTER, - N. Y.

DUTCH BULBS

We forward free to destination, collections of Bulbs as grown here from \$5.00 to \$25.00. Terms—Cash with order. Write for collection and you can see what we send.

Apply to

The Dutch Bulb and Seed Growers Co.

Haarlem (Holland)

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c., 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c., 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

ESTABLISHED 1820

Thorburn's Bulbs

Trade Bulb Catalogue now ready.

COLD STORAGE LILY OF THE VALLEY PIPS.

French Grown Pansy Seed
at reduced prices

	Per oz.
Snow Queen.....	\$.75
Orchid flowered....	1.00
Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.60
Peacock.....	.60
Bugnot.....	1.50
Yellow Trimardeau.....	.75
White Trimardeau.....	.75
Thorburn Superb Mixed.....	4.00

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet P'ea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE

Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.

47-54 No. Market St., BOSTON, MASS.

J. Van Kemp has purchased the seed store of the Pacific Nurseries at San Francisco, and will run it in his own name in the future.

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD."

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Giant Pansy Seeds

THE STANDARD OF EXCELLENCE

The Product of the best specialists of Europe. The Prize Winners of the World on Colors, Substance, Form, Size of Blossoms and Length of Stems, The Best and Widest Range of Colors Ever Offered. The proportion of light and dark are well balanced. The following collections all contain the same grade of seeds.

Florist Collection as follows:—8 Pkt. $\frac{1}{2}$ oz. in each Pkt. and 30 Varieties in each Pkt. of the Giant Five Blotched, Rivoire's, Marouch's Masterpiece, Triumph, Perfection, Boulogne's, Winsor and Geneva, 16 Pkt. $\frac{1}{2}$ oz. in each Pkt. of the Hybrid Giants as follows: Pure White, White Violet Center, 4 Shades Yellow, 4 Shades Blue, Fawn Color, Striped and Black, Parisian Giants, Melrose Giants, Peerless Giants. The last three are three and five-blotched. 25 varieties in each Pkt., in all 24 Pkts., weight $\frac{1}{2}$ oz., Price \$7.86
Half Florist Collection. 24 Pkt. 1-16 oz. in each Pkt., weight $\frac{1}{4}$ oz., \$3.93
Amateur Collection. 24 Pkt. 500 Seeds in each Pkt., 12,000 Seeds, \$2.50
Cottage Collection. 12 Pkt. 500 Seeds in each Pkt., 6,000 Seeds, \$1.25
Mixture of all the above in equal proportion. 1000 Seeds, 25 Cents, 5,000 Seeds, \$1.00. 1 oz., \$3.00.

Exhibition. 50 Cents per 1000 Seeds.

Prices are Net for one or More Collections. Terms Cash

JOHN GERARD

37 Black Rock Ave., New Britain, Conn.

DON'T FORGET

to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.**, 1215 Betz Bldg., Philadelphia, Pa. Katalog for the asking.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. CLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY Florist

Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Piedmont, W. Va.—H. Weber & Sons have closed their branch store here.

Lyons, Ill.—John Aggen has discontinued his branch store here.

Peoria, Ill.—The Art Florist in the Fay Hotel is now in charge of Robert Lowenberg.

New York, N. Y.—The Geller Florist Supply Co. have leased the ground floor at 147 West 28th street.

Brooklyn, N. Y.—Fire crackers thrown by boys set fire to the florist shop of Henry R. Crawbuck at 370 Pearl street, on July 4, causing a loss of about \$500.

Savannah, Ga.—John Wolf's retail stand was burned to the ground recently with a loss of about \$500 with

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..July 22

Atlantic Transport.

Minneapolis, N. Y.-London..July 16

Minnetonka, N. Y.-London..July 23

Cunard.

Saxonia, Boston-Liverpool..July 19

Lusitania, N. Y.-Liverpool..July 20

Pannonia, N. Y.-Mediterranean..July 21

Carnania, N. Y.-Liverpool..July 23

French.

La Bretagne, N. Y.-Hayre..July 21

Hamburg American.

Cincinnati, N. Y.-Hamburg..July 16

Pennsylvania, N. Y.-Hamburg..July 20

Holland-America.

N. Amsterdam, N. Y.-Rot'dm..July 19

Leyland.

Winifredian, Bos.-Liverpool..July 20

North German Lloyd.

Berlin, N. Y.-Mediterranean..July 16

Kron. Cecilie, N. Y.-Bremen..July 19

Bremen, N. Y.-Bremen.....July 21

Kron. Wilhelm, N. Y.-Br'm'n..July 26

Red Star.

Lapland, N. Y.-Antwerp....July 16

Kronland, N. Y.-Antwerp..July 23

White Star.

Celtic, N. Y.-Liverpool....July 16

Majestic, N. Y.-Shampton..July 20

Canopic, Bos.-Mediterranean..July 23

Cedric, N. Y.-Liverpool....July 23

Zeeland, Boston-Liverpool..July 26

no insurance. This will not interfere with his wholesale business.

Hartford, Conn.—Local florists report business as still fairly brisk. Astors are already in. P. F. Potter's window is attractively arranged with a rockery display and John Coombs' window has a large pool of running water surrounded by rocks.

Kansas City, Mo.—Samuel Murray, after doing business at 1017 Broadway for twenty-one years will now move to a new store at 913 Grand Ave. The new location will be much more accessible to the down town trade, also to many old patrons, being one of the best positions in the downtown district, and it is also very commodious. What was at one time one of the most fashionable districts—Mr. Murray's old location—has now become a wholesale section, largely, and is out of the way for the florist business.

NEW FLOWER STORE.

Wakefield, R. I.—Byrnes, the florist, Hazard Block.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

LEADING FLORIST,
GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. June weddings and graduations are over and for a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE OF BY THE



Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All year in Stock

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mentis Horticulture when you write

NEWS NOTES.

Louisville, Ky.—The Anchorage Rose Co. property was disposed of at private sale to H. Kleinstark.

San Francisco, Calif.—Fifteen acres of land near Mountain View have been purchased by Ferrari Bros. and a range of houses will be built upon this property in the near future.

Syracuse, N. Y.—The State Fair Commission has available an appropriation of \$3,000 for a new greenhouse at the fair grounds. Commissioner A. E. Perren as superintendent has charge of the work. Considerable improvement in the grounds and buildings is promised by the date of the opening of the fair September 12th.

PERSONAL.

Robert Demond is now in the employ of the Stafford Floral Co., Stafford Springs, Conn.

P. Ouwerkerk sailed from New York on the S. S. Potsdam of the Holland-American line July 12.

H. L. Von Trott is now proprietor of the Fernhill Greenhouses, Montgomery, Ala., which were formerly conducted by S. B. Stern & Co.

Edward Bingham and his son, Edward, Jr., of Dedham, Mass., sailed from Boston, July 5, on the Ivernia for a short trip to England and Ireland.

John Gill of the E. Gill Nursery Co., West Berkeley, Calif., and Miss Craig of Oakland were married at San Jose, June 8th. They will make their home in West Berkeley after a tour through Southern California.

William E. Mills, secretary and treasurer of the State Nursery Co., Helena, Mont., and Miss Mildred Teal were married at the bride's home in Los Angeles, Cal. They left immediately after the ceremony and will sail for England July 14th.

W. C. Smith, Vincent Gorley and Robert Windler, of St. Louis, left July 11th for Detroit to attend the annual meeting of the Elks. They will visit Milwaukee and Chicago before returning home. They will call upon and pay their respects to Mayor Breitmeyer while in Detroit.

J. L. Spohn, head landscape gardener at the University, Missoula, Mont., has resigned his position. He has been connected with the institution for thirteen years during which time the University grounds have been made from practically a barren waste to be the pride of the citizens of Missoula. Much regret has been expressed over the news of his resignation.

The Boston Traveler for July 12, gives space to an article on the Socialists of Milwaukee, containing a portrait of our old florist friend C. B. Whitnall and giving some of his views on the questions of general public utilities as viewed by Mr. Whitnall and his associates. Mr. Whitnall has always been known as a man of thoughtful sincerity and quiet courage. He takes a stand for the beautiful as that which makes for the most good, and Milwaukee can well afford to give heed to what he may suggest in the way of beautifying the city with trees, parks and boulevards.

A BRIGHT SPOT.

Filene's dry goods establishment at the corner of Washington and Winter streets in Boston is again handsomely decorated with window boxes filled with vincas, nasturtiums, geraniums and other flowering plants, the delay this year having been caused by the enforcement of certain city restrictions. There are in all nearly 250 boxes, some of them very large, and placed end to end they would extend a quarter of a mile. The display gives a charming touch of color to the tire-some brick and stone walls which bound the narrow streets. The work has been well done by John D. Twombly, in the face of many difficulties. The greater part of the plants are left in their original pots and plunged in moss. By this method they seem to thrive better than when planted out directly into soil in the boxes. It is to be hoped that many other houses may be induced to adorn their buildings in a similar manner.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Helal.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Louisville, Ky.—George Thompson sold his entire property at auction June 27th. It comprises six greenhouses, five acres of land and a five-room residence. He will remove to Chicago.

ROSE PLANTS

A Bargain in Richmond, fine strong plants
\$6.00 per 100 — \$55.00 per 1000

Brides 2 1-4 inch pots \$5.00 per 100
" 3 1-2 " " 7.00 per 100
Bridesmaid 3 1-2 inch pots 7.00 per 100

Ivory 3 inch pots / Gates 3 inch pots } . . . \$6.00 per 100 — \$50.00 per 1000

White Killarney, 2 year old plants . . . \$18.00 per 100

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS AND SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens — WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	July 12		July 12		July 12		July 14	
ROSES								
Am. Beauty, Fancy and Special...	15.00	to 20.00	10.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" Extra	10.00	to 15.00	15.00	to 30.00	15.50	to 17.00	10.00	to 15.00
" No. 1	6.00	to 10.00	10.00	to 15.00	8.00	to 12.00	6.00	to 8.00
" Lower grades	2.00	to 5.00	4.00	to 10.00	5.00	to 6.00	.50	to 1.00
Bride, 'Maid, Chateaux, F. & S.	4.00	to 6.00	4.00	to 6.00	5.00	to 8.00	3.00	to 4.00
" Lower grades	2.00	to 4.00	4.00	to 4.00	3.00	to .....	.50	to 1.00
Killarney, My Maryland, Fan. & Sp.	4.00	to 8.00	6.00	to 10.00	8.00	to 10.00	4.00	to 5.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	3.00	to 5.00	.50	to 1.00
Richmond, Fancy & Special	4.00	to 8.00	6.00	to 8.00	6.00	to 10.00	3.00	to 5.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	3.00	to 5.00	.50	to 1.00
Kaiserin, Carnot, Fancy and Sp.	4.00	to 6.00	8.00	to 10.00	5.00	to 8.00	4.00	to 6.00
" " Lower Grades	2.00	to 4.00	4.00	to 8.00	3.00	to .....	.50	to 2.00
CARNATIONS, Nov. and Fan.								
Ordinary	1.50	to 2.00	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50
" .....	.....	to 1.00	1.00	to 2.00	1.00	to .....	.50	to .75
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	50.00	to 60.00	50.00	to	25.00	to 35.00
Lilies	8.00	to 10.00	10.00	to 12.50	10.00	to	4.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	1.00	to 3.00
Stocks .....	.....	to .....	.....	to .....	.....	to .....	.....	to 1.00
Daisies .....	.85	to .90	.75	to 1.25	1.00	to .....	.25	to .50
Snapdragon .....	.....	to .....	.....	to .....	.50	to .75	1.00	to 2.00
Peonies	4.00	to 6.00	4.00	to 8.00	2.00	to 3.00	.....	to
Sweet Peas .....	.50	to 1.50	.75	to 1.50	.50	to .75	.10	to .15
Gardenias .....	.....	to	20.00	to 30.00	6.00	to 12.00	10.00	to 12.00
Adiantum .....	.....	to 1.00	.75	to 1.25	1.00	to 15.00	1.00	to 1.25
Smilax	12.00	to 15.00	12.00	to 15.00	20.00	to	10.00	to 12.00
Asparagus Plumosus, strings (100) ..	50.00	to 60.00	45.00	to 60.00	50.00	to .....	.....	to 50.00
" " & Spreng. (100 bchs.) ..	25.00	to 30.00	25.00	to 35.00	50.00	to .....	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. ALWAYS GOOD, FRESH STOCK.

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET WORK, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
ROSE PINK ENCHANTRESS	7.00	60.00
WANOKA	6.00	50.00
	Per 100	Per 1000
MAY DAY	\$7.00	\$60.00
ENCHANTRESS	7.00	60.00
	Per 100	Per 1000
WHITE ENCHANTRESS	\$7.00	\$60.00
WHITE PERFECTION	7.00	60.00
SNOW FLAKE	6.00	50.00
GEORGIA	6.00	50.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
	Per 100	Per 1000
BEACON	\$7.00	\$60.00
O. P. BASSETT	6.00	50.00

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

1608-20 Ludlow Street,
PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

BOSTON The flower market here is surely at the bottom of the ladder. Absolutely at a standstill and no appreciable demand for anything. Orchids cannot be sold, roses stay with the wholesalers until they are past their usefulness, lily of the valley stands like Scotland in the same water which it occupied in its youth and freshness, and sweet peas, excellent in quality and lovely to look upon when they are received—"stay put" until their fragrance becomes an effluvia. In roses My Maryland, Kaiserin, Augusta Victoria and Pres. Carnot are the best sellers—because they have the needed staying powers to withstand a twenty-mile shipment. Killarney, the erstwhile favorite is down and out for the time being, owing to its lack of staying power, a calamity which it shares in common with a certain pugilistic champion whose name occupied the premier position in all the daily papers up to July 4. But our champion has a sure chance to recover and Killarney's day will return.

CHICAGO Summer conditions prevail and in a general way are not different from those of other years. A long drouth has made the production of good summer stock unusually difficult and yet there are very fair flowers coming into the market. While there are quantities so poor as to be unsalable there is a sufficient amount of fairly good stock to supply the light summer demand. Old American Beauties are holding on longer than

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI July 12	DETROIT July 12	BUFFALO July 12	PITTSBURG July 12
ROSES				
Am. Beauty, Fan. and Sp. ....	..... to	18.00 to 22.00	20.00 to 25.00	20.00 to 25.00
" Extra	8.00 to 15.00	15.00 to 18.00	12.00 to 15.00	12.50 to 15.00
" No. 1	6.00 to 8.00	10.00 to 15.00	7.00 to 10.00	8.00 to 10.00
" Lower grades	4.00 to 6.00	4.00 to 8.00	2.00 to 4.00	..... to 4.00
Bride, 'Maid, Chateaux, F. & S.	3.00 to 6.00	5.00 to 7.00	5.00 to 6.00	10.00 to
" Low. gr.	1.00 to 3.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Sp.	4.00 to 6.00	5.00 to 7.00	5.00 to 6.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Richmond, Fancy & Special	2.00 to 4.00	5.00 to 7.00	5.00 to 6.00	8.00 to 10.00
" Lower grades	1.00 to 2.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Kaiserin, Carnot, Fancy and Sp.	3.00 to 5.00	5.00 to 7.00	5.00 to 7.00	8.00 to 10.00
" Lower Grades	1.00 to 2.00	3.00 to 5.00	3.00 to 4.00	4.00 to 6.00
CARNATIONS, Novelties and Fancy				
" Ordinary .....	..... to 1.00	1.50 to 2.50	1.00 to 2.00	..... to
" .....	.40 to .50	1.00 to 2.00	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to .....	..... to	75.00 to
Lilies	6.00 to 8.00	12.50 to 15.00	8.00 to 12.00	6.00 to 8.00
Lily of the Valley .....	..... to 3.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Stocks .....	.50 to 1.00	2.00 to 3.00	2.00 to 3.00	..... to
Daisies .....	..... to 3.00	.50 to .75	.50 to 1.00	..... to 1.00
Snapdragon	1.00 to 3.00	2.00 to 3.00	2.00 to 4.00	..... to 4.00
Peonies .....	..... to	4.00 to 8.00	..... to .....	..... to 6.00
Sweet Peas .....	..... to .25	.50 to .75	.25 to .50	.25 to .50
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax .....	..... to 10.50	15.00 to	15.00 to	12.50 to 15.00
Asparagus Plumosus, strings (100) ..	25.00 to 35.00	20.00 to 40.00	50.00 to 60.00	35.00 to 50.00
" & Spreng. (100 bchs.) ..	..... to 25.00	20.00 to 40.00	25.00 to 50.00	..... to 25.00

usual and as the new ones are coming in there will be no shortage. Other roses are quite up to the usual summer quality. Carnations are showing the effect of the continued dry spell and are daily becoming smaller.

DETROIT We are still suffering from a severe drought, now lasting over five weeks, with abnormally high temperature during three weeks. What effect this has on all out of door stuff need not be written, but we all know that florists do not pitch their tents near

the water hydrants. Business has been much better than a year ago and this week will see some tall hustling, especially in the line of automobile decorating. Breitmeyer's have so far orders for eight autos. Two large trucks of this number will be exclusively of natural Beauties. Wholesale prices have not changed a bit and, in fact, it is difficult to live up to prevailing low quotations. As a matter of fact, it is a case of selling all you can for whatever you can.

(Reports continued on page 86)

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

Edward C. Horan**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756 Madison Square New York

J. K. ALLEN**Wholesale Florist**

Established 1887. Open 6 A. M. Daily

106 W. 28 St., NEW YORK

Tel. 167 Mad. Sq.

AUGUST MILLANG

WHOLESALE FLORIST

41 West Twenty-Eighth Street

NEW YORK

'Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Perquisites

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sun-
day till 10 a. m.

Tel. 5243 Madison Sq.

CUT FLOWERS

Finest Lilies in the Market Every Day In the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 9 1910		First Half of Week beginning July 11 1910	
American Beauty, Fancy and Special.....	6.00	to 15.00	6.00	to 25.00
" " Extra.....	4.00	to 6.00	6.00	to 8.00
" " No. 1.....	2.00	to 4.00	3.00	to 4.00
" " Lower Grades.....		to .50		to .50
Bride, 'Field, Golden Gate, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....		to .50		to .50
Killarney, Maryland, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....		to .50		to .50
Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....		to .50		to .50
Kaiserin, Carnot, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, Fancy and Novelties.....	.75	to 1.00	1.00	to 1.50
" " Ordinary.....		to .50		to .50

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

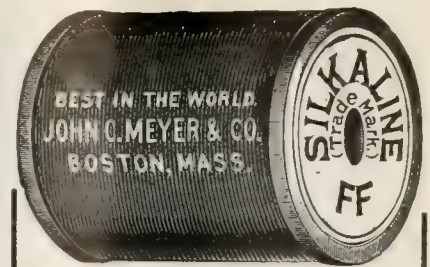
38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



For Sale By

John C. Meyer & Co.

1500 Middlesex Street, Lowell, Mass.

Take No Other.

Flower Market Reports

(Continued from page 85)

The wholesale districts **NEW YORK** are almost deserted these days, after the first little morning flurry of receiving the growers' donations and supplying the small requirements of the buyers who have struck luck in a funeral or steamer order, or who want a little something to brighten their window. Summer stillness pervades all the centres of activity. The receipts of flowers have been greatly reduced. While the proportion of really good material has run down to a small fraction yet there is all and more than is needed for any and all requirements. The only stirring event of late outside of the picnics mentioned in another column, is the sweet pea show. The wholesale dealers would like to have all their sweet pea consignors attend that show and acquire new and advanced ideas as to what constitutes a desirable quality of sweet pea blooms for the flower market.

The first day of **PHILADELPHIA** last week was a blank, of course, being the Glorious Fourth—with everything closed up tight. The balance of the week was not much better, trading being very sluggish all around. Saturday clean-up cleaned up all right, but the cash returns from same would have required a million magnifying glass microscope to make them look respectable! As Micawber put it they were, "humiliating to contemplate and humiliating to endure." The weather is very hard on roses. They are coming in either very tight or very open. Carnations are holding their own a little better and are rather more plentiful than usual at this season of the year. Orchids are in usual summer style, neither large in supply nor demand. Sweet peas are plentiful but lack substance and their keeping qualities are consequently below par. Gardenias are in moderate demand at the decline already recorded and the arrivals correspond. Color, quality and substance, all that can be desired. Gladioli are now more of a factor—very choice stock in America, Shakespeare, Augusta, Brenchleyensis, etc., now arriving in quantity and going off fairly well. Asters just commencing. Quality very moderate so far. Minor items like gaillardia, candytuft, feverfew, cornflower, daisies, etc., very plentiful and very slow sale. Plenty of greens of all kinds; sales only moderate.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 9 1910		First Half of Week beginning July 11 1910	
Cattleyas.....	40.00	to 50.00	40.00	to 60.00
Lilies.....	3.00	to 3.00	3.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 3.00
Stocks.....	.....	to 1.00	.....	to 1.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	4.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs).....	10.00	to 15.00	10.00	to 15.00

AN OLD-FASHIONED GARDEN.

One of the few examples of old style English flower gardens in the vicinity of Boston (and probably the best, for it has won the Massachusetts Horticultural Society's medal twice against all competitors) is on the beautiful estate of Miss Ellen M. Tower at Lexington, Mass. The garden is surrounded by a trim hedge and arbor trellises over which roses and clematises ramble and beyond on all sides are stately trees which form an admirable setting for the pretty spot. The walks are all of close-mown grass and the borders on all sides of the quadrangle are rich in foxgloves, campanulas, larkspurs, echinops and other showy favorites of the old-fashioned garden—great towering clumps which display in an impressive manner the grand possibilities with these stately subjects. These borders are variously edged with Vinca minor, box, daisies or alyssum and among the lesser plants are many things little known or seldom seen which in the hands of the skillful gardener in charge, Otto Strassenburg, produce a charming effect.

Among the formal beds which are arranged in the enclosure in connection with a pool and fountain are masses of roses, geraniums, stocks, etc., the flatness relieved by standard heliotropes, etc. A splendid framing of English ivy appears very much at home—something Boston people never expect to see in this neighborhood. Mr. Strassenburg's method of carrying it so successfully over the winter is by a boxed board cover, no packing being used. The practice with campanulas and foxgloves is to set out fresh clumps every fall and give them a mulch protection through the winter.

PHILADELPHIA NOTES.

Arthur MacIver, floral artist at Harbermehl's, leaves Saturday for a two

weeks' vacation in the White Mountain region.

A. B. Cartledge left on Saturday, July 11th, on a yachting cruise in southern waters. Expects to return in about a month.

The Lord & Burnham Co. are tearing down the large palm house built eight years ago for Percival Roberts, and it is surprising to see how good condition the iron work is in after that lapse of time. No sign of scale or rust, to all appearances just as good as the day it was finished.

CATALOGUES RECEIVED.

Henry A. Dreer, Phila., Pa.—Mid-Summer Catalogue 1910. Plants, seeds, strawberries, implements, etc.

Wm. Elliott & Sons, New York City.—Mid-Summer Catalogue of Pot-Grown Strawberry and Vegetable Plants.

M. Herb, Naples, Italy.—General Catalogue of Bulbs and Seeds for Autumn Sowing. Printed in English, French and German.

H. F. Michell Co., Phila., Pa.—Wholesale Bulb and Seed Price List, July and August, 1910. Illustrated. Strong on florists' bulbs for fall planting and pansies.

The Twin Cities, Minneapolis and St. Paul, report business as quite dull, due mostly to the long drought which has lasted over a month already. Lawns are burnt out, many evergreens have turned red and the loss on new planted trees and shrubs is very large.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dyart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

AQUATICS

Water Hyacinth, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

E. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1123 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1123 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.
Lily Bulbs.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

J. Soleillet, Toulon, France.
French Hyacinths, Narcissus and Freesias.
For page see List of Advertisers.

Dutch Bulb & Seed Growers Co., Haarlem,
Holland.
Dutch Bulbs.
For page see List of Advertisers.

CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galenborg,
Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.

Rooted Cuttings.
For page see List of Advertisers.

CHRYSANTHEMUMS — Continued

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

J. D. Thompson Carnation Co.,
Joliet, Ill.
For page see List of Advertisers.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonla, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia, Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CLEMATIS

25,000 Clematis paniculata seedlings, all true to name; grew my own seeds, \$7.50 per 1000; 250 at thousand rates. Also Clematis paniculata out of 2-in. pots at \$2.00 per 100. Cash with order please. Samuel V. Smith, 3323 Goodman St., Phila., Pa.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum. Large flowering, mixed colors, fine bushy plants, 4 inch, \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

For List of Advertisers See Page 92

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Frank Oechalin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
Ferns in Flats.
For page see List of Advertisers.
Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.
Hosea Waterer, Philadelphia, Pa.
Thompson's Vine, Plant and Vegetable
Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
M. Rice & Co., 1220 Race St., Phila., Pa.
Heavy Water-Proof Crepe Paper.
For page see List of Advertisers.
Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
Rosen, 48 West 29th St., New York City.
For page see List of Advertisers.
S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.
Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.
H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
25,000 geraniums in following varieties:
Nutt, Buchner, Jaulin and Ricard, 3½ and
4-in. \$7.50 and \$8.00 per 100. Fine stock,
strong and stocky. Cash please. A. H.
Cragg & Son, Stratham, N. H.
Geraniums, strong, healthy, 3-in.; in bud
and bloom. Nutt, Viaud, Poitevine, La-
Favorite. 5c. Cash please. O. C. Day,
Hudson, Mass.
Geraniums, rooted cuttings of Ricard,
Poitevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.
Geraniums. Ricard, 2 in., \$1.75 per 100.
J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.
Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.
Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GLAZING PUTTY

E. H. Hunt, Chicago, Ill.
"Elastic-Lyke"
For page see List of Advertisers.

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
tles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

Gold Fish and Fish Food for Sale.
Paradise Fish; these fish are very inter-
esting; they build their nests on top of the
water. Very brilliant colors. Also Com-
bomba and Sagittaria plants for the aquar-
ium. Write for prices. Samuel V. Smith,
3323 Goodman St., Phila., Pa.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser

GREENHOUSE BUILDING MATERIAL**RIAL—Continued**

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.
Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE HOSE

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America,
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
The Kervan Co., New York.
For page see List of Advertisers.
Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicoticide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Klimdeed Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.
- Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.
Hammond's Slug Shot.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS**—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PEAT

- C. W. Brownell Co., Walden, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

ORCHID PLANTS—Continued

- Ordones Bros., Madison, N. J., Box 103.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1183 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

- John Gerard, New Britain, Conn.
Giant Pansy Seed.
For page see List of Advertisers.
- A. T. Boddington, N. Y.
Giant Pansy Seed.
For page see List of Advertisers.
- Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.
For page see List of Advertisers.
- Henry F. Michell Co., Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York.
French Grown.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

- Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- Poinsettia, 10,000 strong 2 1/2 inch plants,
\$5.00 per 100; \$45.00 per 1000. Cash please.
Keller Floral Co., Troy Rd., Albany, N. Y.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- GOOD PLANT STOCK FOR SALE:**
5000 American Beauties @ 12 cents; 2000
Maids @ 6 cents; 300 Gardenia (extra
fine) @ 25 cents. All in 4 inch pots.
Also 10 second hand 4 inch hot water
valves @ \$2.50 each.
Brant-Hentz Flower Co., Madison, N. J.
- The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.
- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.
- Arthur T. Roddington, New York.
Pansy Seed.
For page see List of Advertisers.

For List of Advertisers See Page 92

SEEDS—Continued

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

H. F. Mitchell Co., 1018 Market St., Phila.
Pansy Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Primula Seed.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

John C. Meyer & Co., Boston, Mass.
For page see List of Advertisers.

SMILAX

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.
For page see List of Advertisers.

SPHAGNUM MOSS

C. W. Brownell Co., Walden, N. Y.
For page see List of Advertisers.
Live Sphagnum moss, orchid peat and
orchid baskets always on hand. **Lager &
Hurrell**, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.
Pot Grown.
For page see List of Advertisers.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

Choice Celery plants grown from French
seed our own testing. "Giant Pascal" and
"Paris Golden" carefully packed for ship-
ping, 20c. per hundred, \$1.00 per thou-
sand and \$1.25 per thousand for ten
thousand or over. Cash with order.
Painsville Celery Co., Painsville, O.

LAST CALL—Celery Plants, White
Plume, Self Blanching and Pascal, \$1.00
per 1000; \$7.00 per 10,000 lots. If you
want rooted plants that will grow give
me your order quick. Cash please. **Wm.
C. Lester**, Plainville, Conn.

A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
Jersey and Early Golden, \$1.25, 1000;
\$10.00, 10,000. **H. Austin Co.**, Felton, Del.
Cabbage, 50c., 1000; Cauliflower, 25c., 100;
Peppers, 25c., 100. **Leonard L. Buckley**,
Wassau, N. Y.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. **Lord & Burnham**, 1183
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 28-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. **Scranton Florist Supply Co.**, 201
N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS
Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellcott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
For page see List of Advertisers.

**WHOLESALE FLORISTS—
New York—Continued**

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

Phillip F. Kessler, 55 & 57 W. 26th St., N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Nissen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

New Offers in This Issue.**CANNAS.**

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

CINERARIA SEED.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FIELD-GROWN CARNATIONS.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

PLANT STOCK.

Brant-Hentz Flower Co., Madison, N. J.
For page see List of Advertisers.

**ROSE STOCK; CHRYSANTHE-
MUMS.**

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

**Little Ads Bring
Big Returns**

Little ads in our Classified Columns
bring big returns to both advertiser
and purchaser.

Anything that can be sold to florists,
gardeners, park and cemetery superin-
tendents, etc., can be sold through this
medium in this department, and at
very small cost.

Don't fail to read them each issue, for
you will find one or more that will
prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

In writing to Advertisers kindly mention Horticulture

List of Advertisers

Page	Page
Advance The Co. 95	Lager & Hurrell 66
Allen, J. K. 86	Langjahr, A. H. 86
Aphine Mfg. Co. 68	Lawrence, H. V. 82
Aschmann, G. 67	Leonard Seed Co. 81
Barrows & Son 67	Leuthy, A. & Co. 67
Bayersdorfer, H. & Co. 83	Lord & Burnham Co. 96
Beaven, E. A. 87	MacMulkin, E. 82
Boblink & Atkins 68	Matthews 82
Boddington, A. T. 79	McCarthy, N. F. & Co. 87
Boston Florist Letter Co. 83	McConnell, Alex. 82
Boston Plate & Window Glass Co. 95	McCray Refrigerator Co. 83
Breck, J. & Sons 81	McCullough's J. M. Sons Co. 84
Breitmeier's, J. Sons 82	McHutchison & Co. 79
Bridgeman's Seed Warehouse 81	McKellar, C. W. & Bros. 84
Brownell, C. W. 67	McKissick, W. 86
"Buds" 81	McManus, Jas. 86
Burpee, W. A. & Co. 81	Metropolitan Material Co. 95
Buxton, Doane Co. 95	Meyer, J. C. & Co. 87
Carrillo & Baldwin 66	Michell, H. F. Co. 80
Chicago Carnation Co. 67	Michigan Cut Flower Ex. 87
Clarke's, D. Sons 82	Millang, A. 86
Cowee, W. J. 84	Millang, Chas. 86
Craig, Robt. Co. 68	Moninger, J. C. Co. 95
Crawback, G. W. 86	Moore, Hentz & Nash 86
Dards 82	Murray, Samuel 82
Dingee & Conard Co. 68	N. E. Nurseries 68
Dorner & Sons Co. 67	Nicotine Mfg. Co. 93
Dow, Geo. E. 80	Niessen, Leo Co. 84
Dreer, H. A. 94	Oechslein, Frank 79
Dunlop, John H. 82	Ordenez Bros. 66
Dutch Bulb & Seed Growers Co. 81	Ouwkerk, P. 68
Dysart, R. J. 87	Palethrope, P. R. Co. 93
Eastern Chemical Co. 93	Palmer, W. J. & Son 82
Edwards Folding Box Co. 84	Park Floral Co. 82
Ellwanger & Barry 79	Parshelsky Bros. 95
Elliott, W. Sons 80	Parshelsky Dahlia Farms 68
Esler, J. G. 95	Pennock - Meehan Co. 85
Ernest, W. H. 94	Perkins St. Nurseries 67
Eyres 82	Peters & Reed Co. 94
Farquhar, R. & J. & Co. 68	Pierce, F. O. 94
Fiske, H. E. Seed Co. 80	Pierson, A. N. 67
Foley Mfg. Co. 95	Pierson, F. R. 66
Ford, M. C. 86	Pierson U-Bar Co. 96
Freeman, G. L. Co. 66	Poehlmann Bros. 84
Froment, H. E. 86	Pulverized Manure Co. 93
Frost, Chas. 81	Reed & Keller 86
Galvin, Thos. F. 83	Reinberg, Peter 84
Gerard, J. 81	Rice Bros. 84
Gloeckner, Carl R. 81	Rice, M. & Co. 66
Greater N. Y. Florists' Asso. 86	Rickard Bros. 81
Grey, T. J. Co. 81	Robinson, D. A. 92
Gude Bros. Co. 82	Robinson & Co. 84
Guttman, Alex. J. 86	Rock, Wm. L. 82
Hail Association 95	Roehrs, Julius Co. 79
Heacock, Jos. Co. 78	Roland, Thos. 67
Heinl, Geo. A. 82	Rolker, A. & Sons 94
Herbert 68	Rosens 84
Hews, A. H. & Co. 94	Sander & Son 66
Hillinger Bros. 94	Schlegel & Pot-tier Co. 81
Hill, The E. G. Co. 68	Schultz, Jacob 82
Hitchings & Co. 96	Scott, John 63
Hoerber Bros. 84	Sharp, Partridge Co. 95
Home Corresp. School 92	Sheridan, W. F. 86
Horan, E. C. 86	Siggers & Siggers 95
Hunt, E. H. 93-94	Skidelsky & Irwin 81
Jager, Chas. J. Co. 93	Smith, E. D. & Co. 67
Kasting, W. F. Co. 86	Smith, P. J. 86
Kentucky Tobacco Product Co. 93	Smith, W. & T. Co. 68
Kervan Co. 86	Smyth, Wm. J. 82
Kessler, P. F. 86	Soleillet 78
King Cons. Co. 98	Standard Plate Glass Co. 95
Krick, W. C. 86	Stearns, A. T. Lumber Co. 95
Kroeschell Bros. Co. 95	Stump & Walter Co. 93
Kuebler, W. H. 86	Syracuse Pottery Co. 94
	Tailby 82
	Thompson, J. D. 67

Page	Page
Thorburn, J. M. & Co. 81	Waterer, Hosea 93
Thurlow's, T. C. Sons, Inc. 68	Welch Bros. 84
Totty, Chas. H. 67	Wheeler, Wilfrid 68
	Wilson 82
	Wood Bros. 67
Valentine, J. A. 82	Yokohama Nurseries 68
Vicks, Jas. Sons 81	Young & Nugent 82
Vincent, R., Jr. & Sons 67-80	
Wants, For Sale 92	Zangen, O. V. 81
Ward, R. M. & Co. 81	Zinn, Julius A. 83
	Zvolanek, A. C. 81

EXTENDED SESSION OF SUMMER SCHOOL AT KINGSTON, R. I.

The State Board of Education having decided not to have a summer school at the State Normal School, the Rhode Island State College announces that all courses announced May 1 will be carried on as stated, from July 11 to 23, viz.:

- (a) Agriculture, by Profs. Adams and Cobb.
- (b) Nature Study, by Profs. Stene, Barlow and Merrow.
- (c) School Gardening, by Mr. Thomas of the State College.
- (d) Domestic Economy, by Miss Thompson.

(e) Rural Economics and Education, by President Edwards and Dr. Jones. Commencing July 11 and continuing to August 5, the following additional courses are announced:

- (a) Educational Psychology, History of Education and Methodology, by Dr. Arthur J. Jones.
- (b) Drawing, by Miss M. D. Eldred.
- (c) Courses in History, Geography, Mathematics, English, etc., leading to examination for teachers' certificates, under the direction of Prin. John L. Alger, Dr. Jones, Prof. Fisher and Miss Craig.
- (d) Manual Training, by Joseph J. Landall.
- (e) Botany, by Prof. H. L. Merrow.
- (f) Zoology, by Prof. John Barlow.
- (g) Domestic Economy, by Prof. H. B. Thompson.

For citizens of the State no tuition will be charged. Persons attending from outside the State will be charged ten dollars' tuition for the four weeks' work.

Lectures, class exercises, field and laboratory work, and individual instruction as needed, will be planned for the entire course, and will fill the school time of each day. Opportunity for recreation and excursions will be given in the afternoons.

It may be added that the college is ideally situated for a summer or vacation school. The buildings are located on a hill overlooking a wide expanse of surrounding country, not far from the ocean and Narragansett Bay, and as a consequence, the hottest days are usually tempered with cooling breezes, and the nights are never hot.

For those interested in nature study and the natural sciences, the surrounding country offers splendid opportunities for the study of land, fresh water and marine flora and fauna, as well as physiographic and geological features.

In ordering goods please add "I saw it in HORTICULTURE."

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Orchid man that had some experience in potting and taking care of same; young man preferred. Address with particulars to "Orchids," care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

SITUATIONS WANTED

GARDENER, married, no children; 24 years experience in 'mums, carnations, roses, fruits and vegetables; wishes position as gardener on estate or commercial. Address, Hustler, care HORTICULTURE.

FOR SALE

GREENHOUSE FOR SALE

With office, or to let; good will of business goes with it. Apply to

DAVID A. ROBINSON
Revere Beach Parkway, EVERETT, MASS.

FOR SALE—Owing to my discontinuing business would like to dispose of two practically new greenhouses, to be removed, and of potted plants, including begonias, geraniums, chrysanthemums and carnation cuttings of different varieties; also bench of Sprengerii. Ellen A. Mansfield, 22 Forest St., Newton Highlands, Mass.

FOR SALE—Special 16 x 18 and 16 x 34 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

**Furnishes the
Most Nicotine for the Money**

**By far the
CHEAPEST.**

JUST NOTE PRICE!

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



CONCRETE FENCE POSTS.

Concrete—cement, sand, gravel, and water combined in proper proportions—has become one of the leading building materials of the day. It has shown its worth as a substitute for wood; houses built entirely of cement, the trimming and supports of wood being merely for decorative effect; it is used by the Government, by railroads, by farmers in hundreds of ways, either alone or reinforced; and has been found to produce even good fence posts. Its moderate cost, its durability, the ease with which it is handled, the wide distribution of the sand, gravel, and stone of which it is composed, commend it to the consideration of all builders.

As a material for fence posts concrete has been found to possess but few of the disadvantages of wood, to have practically all its advantages, and to be superior in some respects to timber. Of course, the first cost may be more or less than the best wooden posts, but that depends on local conditions—the timber supply, the deposits of sand, gravel, and rock, and the skill of the workman. If manufactured as usual and cured for three months concrete posts are as good as the best wooden posts. After three years wooden posts possess only one-third to one-half of their original strength, whereas concrete grows stronger with age and needs no repairs as neither weather nor fire injures it. Under ordinary circumstances concrete posts will last forever; and even if in the course of years a few should be broken by unusual strain, it is cheaper to replace them than to replace an entire fence of decayed posts with a material with the same lack of durability.

Concrete posts are attractive in appearance because of their uniform size and color, and can be made either square, triangular, or round, either straight or tapering towards the top. They can be purchased from dealers or

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

Imp Soap Spray

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

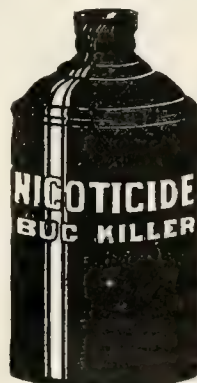
Only Spray Not Poisonous to Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.
Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

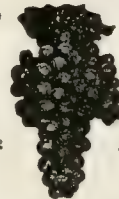
In ordering goods please add "I saw
it in HORTICULTURE."

Has stood the test of over a Quarter
of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR

Vines.
Tomatoes.
Cucumbers.
all Flowering.
Foliage and
Fruit bearing
Plants.
Vegetables.
Lawns, etc.



The result of
many years
practical
experience.

**PERFECT
PLANT FOODS**

56 lb. bag \$3.00
\$5.75 for two
bags

— ALSO —

Thomson's Special Chrysanthemum
and Topdressing Manure

56 lb. bag \$5.75

HOSEA WATERER, Seedsman,
107-109 So. 7th St., Philadelphia

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the
greenhouse. Florists all over the
country are using it instead of
rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on
the market. Pure manure and nothing
else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago

Best for Garden Spraying

In vegetable or flower garden, on fruit trees
and vines; for whitewashing, fire protection
window and carriage washing; wherever you
use it, the Deming "Perfect Success" saves
time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen
kinds; designed and tested by practical
growers, approved by government and
Experiment Station experts. Catalogue
and Spraying Calendar free. We make
Pumps for all uses. Ask your dealer.
CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,

LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

made at home, and this latter plan together with suggestions as to the construction of the fence after the posts are made and cured is the theme of Farmers' Bulletin, No. 403, recently issued by the U. S. Department of Agriculture. The author takes up in detail the selection of sand, gravel, crushed rock, and cement; the choice of molds—either steel or wooden, and if wooden, the proper way to make square or triangular molds. Reinforcement—the insertion of steel rods or wire in the molds when making the posts is discussed as to the principle involved and the kinds of reinforcement best suited to certain needs. The work of mixing, molding, and curing is explained with minuteness, and the variety of styles which can be produced described. Under "fence building" is given instruction as to setting the posts, attaching the wire, stretching the fencing, and the use of line anchors. Nine illustrations give detailed drawings of molds, methods, and results. The pamphlet closes with a warning to persons intending to buy post molds, either steel or wooden, to beware of traveling agents who are selling molds or rights for the sale or use of their respective molds. No dealings should be had with these agents except when fully satisfied through reports from one's banker or lawyer that the company represented by the agent is reliable and that the agent is their authorized representative. Patents have been issued on special types of reinforcement, and they can not be generally used without danger of infringing patent rights; but none of the simple forms described in the bulletin is patented or patentable, and they are just as good as the special forms advertised and recommended by the agents. No one need hesitate to use the simple form of construction recommended, for it has been in common use in all countries for a number of years, and all claim that the general use of reinforced concrete fence posts is controlled by patent rights are unjustified and untrue.

BENJAMIN HAMMOND'S NEW BUILDING.

At noon on Wednesday last, the laying of the corner stone took place at the new factory for the Hammond Paint Works at Fishkill, N. Y., being erected at the corner of Beekman and Ferry streets. Benjamin Hammond was present, but there were no special ceremonies in the corner stone laying.

The metal box in the corner stone contains a number of manuscripts, pictures and papers which in future years will be of great historical value locally, among them being a copy of the last bulletin of the American Rose Society. The ground dimensions are 40x80. When completed the building will be a conspicuous ornament to Fishkill.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

Sole
Distributor

E. H. HUNT,

76-78 Wabash Ave.,
CHICAGO.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Dayton, Ohio.—The Heiss Co., one house.

Dayton, Ohio.—John Boehner, three houses.

Green Bay, Wis.—Carl Meier & Co., two houses.

Thorsby, Ala.—Howard Bros., house 25 x 100 feet.

Logan, Utah.—Cache Valley Floral Co., one house.

Milwaukee, Wis.—Fox Point Floral Co., two houses.

East Rochester, N. H.—Elihu A. Corson, one house.

Springfield, Ohio.—B. C. Blake, house 10 x 65 feet.

Ozone Park, N. Y.—Peter Wenk, two houses 10 x 135 feet.

Moorestown, N. J.—Walter P. Stokes, one house 20 x 100 feet.

Belle Plaine, Ia.—Belle Plaine Greenhouses, one house.

Buffalo, N. Y.—Gottlieb Bassler, 122 Hertel avenue, one house.

Doylestown, Pa.—Mrs. E. D. Darlington, Maple Ave., addition.

Maple Shade, N. J.—C. F. Craythorn, two carnation houses 25 x 100 feet.

Logansport, Ill.—C. Kielsing & Son, two houses 32 x 325 feet. George M. Garland Co., material.

Freeport, Ill.—John Bauscher, Jr., two houses each 310 feet long, also boiler room and 100-foot smoke stack.

PATENTS GRANTED.

963,057. Illuminated Flower Holder. Frederick Muschenheim, New York, N. Y.

963,099. Plant Protector. George T. Wells, Wichita, Kans.

963,146. Motor Driven Lawn Mower. William W. Harrison, Glenside, Pa.

Holds Glass
Firmly
See the Point
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St. Phila., Pa.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2½ " " " 5.25	120 " " " 4.28
1500 3 " " " 6.00	60 " " " 3.00
1000 3 " " " 5.00	
800 3½ " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
456 4½ " " " 5.24	24 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 4.80
210 5½ " " " 3.78	12 14 " " " 4.80
	6 18 " " " 4.99

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hillinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

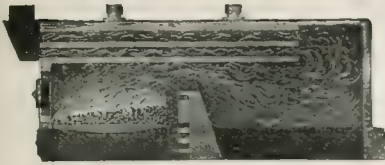
STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
486 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE
for new structure or repairs.

Hot Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.
Western Ave. and 26th St.
CHICAGO, - - ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

This is what Messrs. P. & W. O. Jahn of East Bridgewater, Mass., say about this house which is 42 FEET WIDE CLEAR SPAN.

FIRST LETTER—

EAST BRIDGEWATER, MASS.

"Now in regard to the house, the material for which you furnished us, we must say that we consider it the best house in this part of the State. In the Northeast gale which we had for two days, the wind blowing in gusts at the rate of 60 miles per hour and striking the house on corner of gable end, you could not notice any vibration or undulation in house or roof of the same. It stood as steady as a stone wall. Mr.—— wanted to build a house, when he looked this one over, which he could use for a wind-break for his other house."

P. & W. O. JAHN

EXTRACT FROM SECOND LETTER—

"Since writing you last, we have had another of our blows, the wind coming from the southwest at the rate of 70 miles per hour, so that we could not even keep a lantern lighted. The greenhouse, although it received the wind on the gable corner, did not vibrate at all. You certainly have a wind-breaker in this construction."

P. & W. O. JAHN

Send for Bulletin No. 35 Which Describes The King Iron
Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

Prices Are Climbing

If in need of any, and have delayed buying,
write us at once for prices

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS

SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

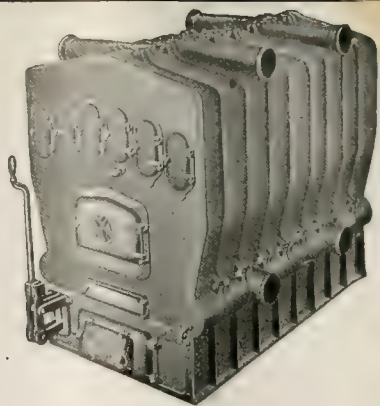
IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475



WHY ?

In the name of all that's reasonable, isn't it reasonable that when you make a thing especially to do a certain special thing, that it ought to do that thing specially well?

Of course it is! That's only plain common sense. Then why in the name of common sense don't you go straight to a greenhouse concern when you want a greenhouse boiler and get one that does such exceptionally economical greenhouse heating, that steamfitters use it for dwelling house heating? Use it because they appreciate that to successfully heat a greenhouse is the severest test to which a boiler can be put.

Tuck that thought under your cap and let it strike in before you spend any of your good money.

Hitchings & Company

ELIZABETH, N. J.



An Ideal Curvilinear House

Why do we call it ideal? Simply because it combines in a thoroughly satisfactory way the three most important things absolutely necessary for a highly successful greenhouse—**lightness, durability and practicalness.**

These are the things you are sure of with the Sectional Iron Frame Construction. The other essential things you can surely be sure of, because L & B are sure—their reputation of fifty years insures you that.

Glad to send you other views and a full description of this house.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

JULY 23, 1910

No. 4



ROSE PROFESSOR C. S. SARGENT



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



U KNOW US!**LET'S KNOW U!**

QM. Rice & Company's Florists' Supplies and Ribbons have held a position of pre-eminence for many years, and have won the preference of the best judges of Florists' Supplies and Ribbons in America. This is due to the marked and unfaltering leadership which M. Rice & Company have maintained in style and quality of all their goods.

Send for our beautifully illustrated "KATALOG"

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking.

**Special
Low Offer of
IMPORTED ORCHIDS**

For Balance of This Month Only

CATTLEYA TRIANAE, in fine condition, in cases of 400 bulbs, 40 to 50 plants, at \$40.00

CATTLEYA SCHROEDERAE (The Easter Cattleya) fine plants in cases of 400 bulbs, at \$65.00

CATTLEYA SPECIOSISSIMA, fine plants in cases of 400 bulbs, at \$48.00

CATTLEYA LABIATA, a few cases only, in cases of 400 bulbs, at \$50.00

DENDROBIUM FORMOSUM GIGANTEUM, finest and best paying white orchid there is for cut flowers, plants with 6 to 8 bulbs, \$125.00 per 100. Plants with 9 to 12 bulbs, \$200.00 per 100

No discount of any kind will be allowed on these prices.

Also Potting Material, Baskets, etc.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

FERNS IN FLATS

We can still offer these varieties

Pteris Wimsetti

" Mayii

" Hastata

" Magnifica

" Gilberti

Pteris Adiantoides

" Serrulata

" Serrulata Var. Cristata

" Cretica Albo-lineata

" Aspidium Tsussimense

About 120 clumps per flat. Price \$2.00 per flat. Cash with order for less than 5 flats or from other than regular customers.

Shipments go by express during July and August

**McHUTCHISON & COMPANY, 17 MURRAY ST.
NEW YORK**

Orchids Fresh Arrivals.

Cattleyas — Trianae, Schroederæ, Mendelii, Gigas Sanderiana, Gigas Percivalliana, Speciosissima and Aurea. **Miltonias** Vexillaria and Roezlii. **Dendrobiums** Thyrsiflorum, Cambridgeanum, Crassinode, Renanthera Imschootiana. **Cypripedium** Bellatulum and Charlesworthii.

Ready for Potting.

G. L. FREEMAN CO.
FALL RIVER, MASS.

Successors to G. L. Freeman.

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, **O. Marshallianum**, **O. Fobesii**; **Laelia purpurata**, **L. cinnabarina**; **Cattleya citrina**, **Odontoglossum grande**.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**

**Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.**

— CANNAS —

Cannas will be one of our strong points in the future, not many kinds next fall, only a few of the best, but a good many of a kind, so if you can use quantities of such kinds as King Humbert, Alph. Bouvier, Egandale, Florence Vaughan, Jean Tissot, Louisiana, Pennsylvania, Pres. Myers, Richard Wallace, etc, write us for special prices, naming quantity you can use. We will have a fine collection in 3 in. pots to offer next spring.

SWAINSONA ALBA 3 in. \$3.00 per 100
ALYSSUM, Dwarf and Giant Double 3 in. 3.00 per 100
DAHLIA ROOTS. We are booking orders for fall delivery. Send for List.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots, ... \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

In ordering goods please add "I saw it in HORTICULTURE."

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$1.50 100; \$30.00 1000.

PRIMROSES OBCONICA AND CHINESE

Best strain, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St., — CHICAGO, ILL.

THE KEY TO PROSPERITY.

Stratham, N. H., July 19, 1910.
HORTICULTURE Pub. Co.

Gentlemen:—Please cut out our ad. and send bill. We are sold out and had to turn down some good orders. We are building two large houses for geraniums, etc., and intend to have double the stock next year.

Yours respectfully,

A. H. CRAIG & SON.
Per H. W. Craig.

CHRYSANTHEMUM PLANTS

From 2 1-2 inch Pots.

Immediate Delivery

WHITE	Per 100	Per 1000	YELLOW	Per 100	Per 1000
Oct. Frost.....	\$2.00	\$15.00	Oct. Sunshine	2.00	15.00
White Cloud.....	2.00	15.00	Appleton	2.00	15.00
YELLOW			Y. Eaton	2.50	20.00
Monrovia.....	\$2.00	\$15.00	Halliday.....	2.00	15.00

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS

Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application or our selection.

\$3.00 per 100. \$25.00 per 1000. 25 at 100 rate. 250 at 1000 rate.

ELMER D. SMITH & CO.,

Adrian, Mich.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

Whitmani Ferns

2½ in., \$5.00 per 100; \$40.00 per 1000; 250 at 100 rates.

Nep. Magnifica, 2½ in., \$15.00 per 100.

H. H. BARROWS & SON
Whitman, Mass.

CHRYSANTHEMUMS

Fine stock from 2½ and 2½ in. pots.
Golden Chadwick, Golden Eagle, Virginia Pochlmann, from 3-in. pots, \$6.00 per 100.

J. W. Childs, Lynnwood Hall, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Early Snow, Grace Witney, Golden Glow, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, Jeannie Nonin, J. E. Lager, J. H. Troy, Maud Dean, Meta, Monrovia, Mrs. S. T. Murdock, Money-maker, Mlle. A. Laurent, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Major Bonnafton, Mme. Bergeman, Nagoya, Polly Rose, Riverside, Robt. Halliday, The Harriott, Timothy Eaton, W. H. Lincoln, White Bonnafton, Wm. Duckham, White Shaw, fine stock, \$3.00 per 100; \$25.00 per 1000.

WOOD BROTHERS, Fishkill, N.Y.

ROSE STOCK

3000, 4 inch American Beauty at 15c each.
500, grafted My Maryland, splendid stock, 2c each.
2000, each, Brides, 'Maids, Richmond;
1000 Rhea Reid;
300 Ivory; all own root at 6c each.

Chrysanthemums

Our selection, good commercial varieties, at \$3.00 per hundred, \$25.00 per thousand.

Charles H. Totty
Madison, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSEYRMEN AND FLORISTS

Rutherford, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSEYRMEN
6 and 7 South Market St., Boston.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S SPEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Pot Grown Strawberry Plants

We shall have about 50,000 pot grown Strawberry Plants ready to ship during July. These are strong well rooted plants and if you are setting plants this season it will pay you to look these up before purchasing elsewhere. Remember that in buying from us you get plants direct from grower to consumer. No middle man.

Send for our price list

WILFRID WHEELER,
Tel. 154-3 Concord, Mass.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove, PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

APHINE'S

Increasing Popularity

As a general insecticide for destroying greenhouse and outdoor pests.

Is due to the hearty endorsements of the many expert floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of the trade.

It does all that is claimed for it, and more.

Ask your supply house for Aphine, or write us for name of our nearest selling agency.

Aphine Manufacturing Company
MADISON, N. J.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

JAPANESE
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Notes From the Arnold Arboretum

The genus *Sorbaria* has been enriched during the last years by a number of very desirable Asiatic species. They all flower later than the well known *Sorbaria sorbifolia* (*Spiraea sorbifolia*) and this alone would be a point in their favor, but they possess besides other features which make them superior to the old species. The one nearest to this and closely following it in the time of flowering is *Sorbaria stellipila*, a Japanese species, which differs in its more spreading habit and taller stature. Still higher grows *S. assurgens* which attains a height of eight to ten feet and differs in its narrower and more numerous leaflets with very close set veins and in its larger and somewhat looser panicles. Like the preceding it is of more spreading habit and therefore more graceful than the *S. sorbifolia*. The handsomest of all is *S. Aitchisonii*; it grows almost as tall as the preceding species and is still more graceful, chiefly on account of its bright green handsome foliage which contrasts beautifully with the usually red stems; the leaflets are narrow and lustrous and very distinct from the foliage of the other species; the panicles reach fifteen inches in length, they are rather loose and add much to the gracefulness of the shrub. Unfortunately this species is not quite hardy in the neighborhood of Boston, though it will survive an ordinary winter without being much injured. Remarkable for its comparatively great height it attains is *S. arborea* recently introduced by Wilson from western China. It reaches twenty feet in height in its native country; its panicles are open and loose and almost as broad as high. Another species also recently introduced by Wilson grows almost as high, but differs in its quite glabrous foliage purplish in a young state; this species is quite new and has not yet been named and described. The two last named species are apparently hardy and certainly valuable additions to our summer-flowering shrubs. All the species are very effective with their large clusters of white flowers and their graceful pinnate foliage. They are easily propagated by seeds and by hardwood cuttings and are worthy the attention of the nurseryman and landscape gardener.

The summer-flowering Spireas are at present almost the only group of shrubs which afford a great variety of different forms in bloom. They are all low or medium-sized shrubs well adapted to be planted as single specimens on the lawn or in the borders of shrubberies. One of the handsomest is *Spiraea Bumalda* var. *Anthony Waterer* with large flat clusters of crimson flowers; it grows only two or three feet high, while the similar *S. japonica* var. *atrosanguinea* with deep pink flowers attains a height of about five feet. Another handsome form is *S. Margaritae* with large corymbs of pink flowers produced in great profusion; it grows three or four feet high and a well developed specimen forms a round bush cov-

ered all over with its large flower clusters. *Spiraea revirescens* with light pink flowers shows the peculiarity to bloom a second time during September and October. *Spiraea concinna* with pinkish white flower clusters is also very free flowering and handsome. Another good form is *S. superba* with light pink or pinkish white flowers. While all the Spireas mentioned so far have their flowers in large flat clusters, *S. syringiflora* bears its pink flowers in broad pyramidal panicles; it scarcely exceeds two feet in height and is a very handsome free flowering shrub. Similar but with white or pinkish white flowers is *S. notha*; it attains about three feet in height. Still somewhat higher are *S. sanssouciana* and *S. Nobleana* with pink flowers. From four to six feet high grow the old and well known species as *S. Douglasii*, *S. Menziesii* and *S. Billiardii* with pink flowers in elongated panicles. With these summer-flowering Spireas the best results will be obtained, if they are pruned rather severely in autumn or early spring, as the flowers appear at the end of the young shoots and the more vigorous the shoots are the larger will be the flower clusters.

Alfred Rehder.

Rose Prof. C. S. Sargent

The Chinese and Japanese *Rosa Wichuraiana* has proved an excellent parent to many of our best hardy garden roses, but in no case has it proved more valuable than in the production of the hybrid rose which forms the cover illustration of this issue. In the first instance *R. Wichuraiana* was crossed with *R. Crimson Rambler* and then the progeny was recrossed with *R. Baroness Rothschild* with the result that the seedling combines all the good qualities of the three roses which have been used in its evolution. The flowers are single, about three inches across, pale rose in color and produced in the greatest profusion in pyramidal clusters all along the strong branches—one cluster carrying fully sixty blossoms—from the middle of May till the end of June. The foliage has the desirable glossy green color so characteristic of *R. Wichuraiana* and remains in good condition till late in fall.

As a garden rose this variety has a great future before it and it is very appropriate that such a meritorious addition to the list should receive the name of the distinguished director of the Arnold Arboretum. Jackson Dawson has given us a number of valuable roses and it is to be hoped that this successful hybridist will continue his efforts in this line and give us still more roses as good as the Prof. C. S. Sargent.

Arthur. E. Thatcher

Our Sixth Annual Convention Number

☐ Will be issued under date of August 13, 1910. It will be full of interest for those who go to the Convention at Rochester, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space. You'll find yourself in good company. ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀

IT PAYS!

IT PAYS!

IT PAYS!

HORTICULTURE

VOL. XII

JULY 23, 1910

NO. 4

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Rose Prof. C. S. Sargent.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	101
ROSE PROF. C. S. SARGENT—Arthur E. Thatcher...	101
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Eucharias amazonica; Geranium Stock Plants; Repairing and Outside Painting; Roses; Care of Young Stock; Wallflowers—John J. M. Farrell	103
AN ENCHANTED LAND.....	103
SOCIETY OF AMERICAN FLORISTS: Preliminary Program Twenty-sixth Annual Meeting and Exhibition—The Games and Entertainment—The Exhibition—Transportation.....	104
St. Louis to Rochester.....	109
CLUBS AND SOCIETIES: Rochester Florists' Association—American Rose Society—Cincinnati Florists' Society, C. E. Critchell, portrait—Newport Horticultural Society—Nassau County Horticultural Society—St. Louis Florist Club Albany Florists' Club—American Gladiolus Society—St. Louis Horticultural Society—National Rose Society—Royal Horticultural Society—Society of American Florists—Club and Society Notes.....	106
National Flower Show.....	109
DEPARTMENT OF AGRICULTURE NEW PLANT INTRODUCTIONS—Illustrated	107
DURING RECESS: Gardeners' and Florists' Club of Boston.....	108
Cincinnati Florists' Society—Illustration.....	109
A VISIT TO KINGSTON, R. I.....	109
OBITUARY: Mrs. George M. Anderson—Daniel Spillane—Mrs. Nathan Smith—Gustav Drobisch—Henry F. Tibbits—The Late Prof. S. B. Green.....	110
SEED TRADE	112
OF INTEREST TO RETAIL FLORISTS: Steamer Departures	114
Flowers by Telegraph.....	115
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago.....	117
Cincinnati, New York, Philadelphia.....	119
MISCELLANEOUS: Great Exhibition at Boskoop.....	106
Chicago Notes	110
Incorporated—Catalogues Received.....	112
Infected Nursery Stock at British Columbia.....	112
Big Money in Apples.....	112
St. Louis Notes—Cincinnati Notes.....	115
Washington Notes—Personal.....	115
Philadelphia Notes—News Notes.....	119
Nymphaea Baumii—The Hail Association is Al.....	124
A Long-Distance Shipment.....	124
A Fertilizer Analysis.....	125
The Fertilization of Apple Orchards.....	125
Publication Received	126
Greenhouses Building or Contemplated.....	126
Patents Granted	126

and it is pleasing to note that the number of fortunate ones is on the increase each year. Among the less favored ones, for whom the July doldrums barely permit the snatching of a brief holiday, you will find HORTICULTURE and all the other "trade papers." Yet we don't feel envious. Have a good time and then tell us all about it.

The National Flower Show

The National Flower Show which is to be held at Boston next March is unquestionably the most ambitious horticultural project ever planned on this continent. The enormous capacity of the vast building in which it is to be located, the unlimited quantity of splendid exhibition material available within easy transportation distance and the interest and co-operative spirit shown by the various national organizations all tend to confirm the assurance that this is to be the supreme event of our time in American horticulture, where the masterpieces of the most talented and accomplished representatives of our industry will be set forth for all to see and admire and where those who make proficiency in any branch of horticulture their life object may come and gather knowledge, inspiration and new zeal in their work. Undoubtedly much of the interest at the Rochester Convention will centre around the headquarters of the committee upon which devolves the labor of planning and arranging the details of this enterprise. Thus far the preparatory work has gone forward efficiently and expeditiously and the management will be found fully equipped to talk business with all who are interested.

Wisdom in advertising

An observant writer has said that "the never-lessening aspiration to make the store's advertising bigger and better is what develops a 'storekeeper' into a successful merchant." It is becoming apparent to every wide-awake business man that among the fixed charges connected with a successful commercial career, now-a-days,—in some respects equalling rent and help in importance—advertising comes pretty near the top of the column. The horticulturist is learning this fact somewhat more slowly than others but he is learning it, all the same, and much more money will undoubtedly be invested in the future in judicious advertising, by every department of commercial horticulture, than has been done thus far. Not all advertising pays, however. Many volumes have been written by some of the brightest men and women of our times on the value of advertising and its indispensability as a means of enlarging one's business, all of which is undeniable, yet it is true much money is wasted in unwise advertising. A shrewd advertising authority is quoted as saying that "there is no paper that will pay you if you do not offer the proper merchandise." The managers of every periodical are well aware of this truth and, without a single exception, have become hardened by the frequent experience of receiving by one and the same mail delivery, complaints of "poor results" from one advertiser and jubilant praise from another. Opportunities pregnant with prosperity stand waiting at the door for every business man but they are very elusive unless dealt with intelligently and in no way can wise and reasonable judgment be put to better use than in the deliberate planning of a publicity campaign. We often hear it said in the busy season, "I'd do some advertising now and I know it would pay me, but I can't give the time to it." To such we would say—give the time to it now, when the dull season is on. Map it out now for the coming year. Perhaps we can help you. If so, our services are at your disposal and, depend upon it, we shall not go on record as advising any course that we do not confidently believe will be mutually profitable.

Our columns for the past few weeks teem with announcements of vacationists going abroad, to the mountains or elsewhere, away for a time from all business cares and responsibilities. Some there are who are enabled to devote a good section of the summer time to recreation

Bon voyage

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Eucharis amazonica.

Here and there in quite a few commercial places I have seen these plants stubbornly refuse to bloom, and all through cultural errors of the growers. There is no difficulty in having them flower if a few simple rules are observed. The present time is about the best to make a start. Plants that were started last winter and are now in 4 or 5 inch pots are the best. A perfectly sound bench should be chosen, as a bench of eucharis is good for years, as the plants are more and more floriferous as they become crowded in the course of time. Old clumps can be used by dividing them up. Give them a good sod soil with about one-third of well decomposed cow manure. They can be planted as close as 5 or 6 inches apart. The divided plants will take about a year to get established, so will not flower till then. When established plants have made a good growth for about two months, grant them a rest by shortening up on the supply of water for about 4 to 6 weeks, but not so severe as to show any bad effects on the foliage. By this process flowers will form instead of leaves. After this rest apply abundance of water and you will have fine flowers. Having a short rest after flowering they can be started up again and grown as stated above for a second crop. A temperature of 60 to 65 degrees at all times is needed. Top dressing and liquid manure will be found very beneficial as they proceed.

Euphorbia fulgens.

This beautiful but seldom seen plant is not very good for pot culture, but if planted out on a side bench in a warm light house, it will grow along quite freely. Give them a good rich compost and of a texture that will let the water pass off freely. They can stand from about 8 to 10 inches apart, and with one or two pinchings will give you an abundance of their slender arching sprays. 60 or 65 degrees is the proper temperature. If you bring them into flower by the holidays they will start and break into new growth, which will give you another crop of flowers by April. The essentials for its well being are no root disturbance, plenty of water, light and heat when growing.

Geranium Stock Plants.

If you have any geraniums in 4 or 5 inch pots, by shifting them into 6 or 7 inch pots you will have a fine lot of cuttings that will be harder, shorter-jointed and less liable to damp off, than field-grown stock. They being more under the control of the grower he can root practically every tip, he can force them into activity again and take more cuttings right along. I think the failure to get a greater number of geraniums into flower by Decoration Day is in a great part due to the sappy condition of our fall cuttings. Just now, when your geraniums are all blooming and at their best it is well to see if any have not come true to color or form. Much future annoyance can be saved now, where only an expert would be able to separate them after the flower has gone. It is an easy matter at this date to label or tag any that are not true to name.

Repairing and Outside Painting.

The season of cold weather seems quite a ways off but it is surely on

its way so a few timely reminders as to preparations will not be out of place. When you have leaky and draughty houses it is impossible to produce good stock. Now the wood is dry and the weather such that a few hours exposure will affect a complete drying of either paint or putty. There is therefore no better time than the next six weeks for repairing and painting. It is sometimes more profitable to rip all the glass out and repaint the sashbars and reset with new putty, particularly if the putty is in very bad condition. An application of thin putty distributed by a putty bulb along the sash bars will make a good job for a season or two. See that all the ventilators are adjusted, and look for any defective parts in the machinery so as to have everything in good working order before the cold nights are on us.

Roses; Care of Young Stock.

Roses that were benched in May or June will by this time be making some strong growth, which will make some tying necessary. Care must be taken not to tie the plants too closely, that is, not to bunch them up too much, which would impede a proper circulation of air through the plants. Syringing should now be carefully attended to, so that the plants are kept clean from red spider. Never neglect an opportunity to fumigate, once or twice a week, whenever the temperature is below 72 degrees. Another very important matter at this time of the year is to keep the plants disbudded. Do not disbud all at one time or remove all the buds from a plant at once, as this has a great tendency to check the growth. The surface of the soil should be kept stirred frequently—at least once a week. A little air-slaked lime, applied lightly, will be found very beneficial, especially where the green scum is in evidence.

Wallflowers.

While it is true that most plants raised under continuous pot culture are better than those grown out in the field, wallflowers are suited better by open ground treatment; they are healthier, stouter, more compact and freer-flowering and they lift in the fall without much trouble. Watering is only necessary in long and continued spells of very dry weather. Any cool greenhouse where the temperature can be controlled between 40 and 45 degrees will make ideal winter quarters for wallflowers. Seed can be sown now for the border and transplanted into some coldframe that can be protected during the winter and in the spring they can be removed to their permanent quarters. It is well to have some of these plants as the flowers are highly prized for their pleasing fragrance.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: Callas; Ferns for Fern Dishes; Hairslii Lilies; Lysimachia Nummularia; Verbenas; Vandas.

AN ENCHANTED LAND.

President Taft showed good judgment in the selection of the place for his "summer capital." No more attractive and accessible a section can be found on the whole Atlantic Coast than the far-famed North Shore of Massachusetts Bay with the villas of Beverly, Montserrat, Prides, Manchester-by-the-Sea and Magnolia following one another like a string of pearls, and across the bay lies Marblehead Neck, a veritable gem of the ocean.

There is much to interest the horticulturist in this enchanted land, in natural woodland, bold scenery, elaborate gardens and palatial conservatories presided over by some of the most proficient gardeners in America, but at present we wish to call attention to only one or two features. First of these is the rose garden on the grounds of W. S. and J. T. Spaulding at Prides Crossing. This magnificent country estate is under the charge of superintendent F. E. Cole and the work he has been doing on the grounds the present season is prodigious. The conservatories and herbaceous gardens all bear witness to his cultural abilities and we shall take opportunity to revert to them at some time in the future. The rose garden, which particularly concerns us now, is a large rectangular reservation on the estate which has been placed under the exclusive care and control of Mrs. H. R. Foote, a lady whose name is not unknown to rose experts and fanciers either in this country or abroad and whose rose nurseries at Marblehead have a more than local fame.

This rose garden is unquestionably the most beautiful in this country. It is one of the very few spots worthy of the name. There are between four and five hundred varieties and, when at the height of their June blooming a few weeks ago, were well worth a trip across the continent to see. There were actually hundreds of thousands of flowers all displaying that depth of color produced only by exposure to cool, moist saline air, enormous growth and foliage such as is usually seen only under the highest perfection of culture under glass.

Hybrid Teas are seemingly in the ascendant here, although the H. P. varieties are numerous represented, as well as the Noisettes and Polyanthas, and the Ramblers clamber in wonderful luxuriance over the enclosing trellises and arbors. All the new varieties of foreign or domestic origin here get an opportunity to show what they are capable of. Mrs. Foote confesses to be unable to get satisfactory results on own-root plants, so everything is sent abroad to be budded on the briar. Cow manure is the only stimulant given. The garden is now in its fourth season.

Across the Bay, high up on the rocky brow of the promontory known as Marblehead Neck is the home of Charles W. Parker, chairman of the Massachusetts Horticultural Society's garden committee. It was he who, a few years ago, encouraged Mrs. Foote to turn to commercial advantage the cultural skill which her little amateur rose garden gave evidence of. Today she has under cultivation nine hundred varieties at her home garden in Marblehead and can give from memory the name of any one of them. Mr. Parker is a flower-lover and nature-lover and his ruggedly picturesque estate is laid out with much taste, without the introduction of artificiality in any feature. At present the exposed patches of ledge are beautifully fringed and mottled with random patches of golden Sedum Acre. The variety of trees which Mr. Parker has after many years of patient care induced to grow luxuriantly on this exposed promontory is astonishing and he is in love with everyone of them. His grounds are an object lesson in their way and the genial proprietor never tires of showing visitors about.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Preliminary Program, Twenty-Sixth Annual Meeting and Exhibition, Rochester, New York, August 16, 17, 18, 19, 1910

Tuesday, August 16—Opening Session.

2.00 P. M.—Address of Welcome, His Honor, H. H. Edgerton, Mayor of Rochester. Address of Welcome, Mr. Geo. Deitrich, president of Chamber of Commerce. Response, Mr. Robert Craig. President Pierson's Address. Reports of Officers, Committees, etc. Report of Committee on President's address. Discussion. Miscellaneous Business. Judging of Trade Exhibits.

Evening Session.

7.30 P. M.—President's Reception.

Wednesday, August 17—Morning Session.

9.30 A. M.—"Use of Cement with Especial Reference to Greenhouse Construction," Edward D. Boyer, Cement Expert, Atlas Portland Cement Co. Discussion. "Value of Experiment Stations to Ornamental Horticulture," W. N. Rudd. Discussion.

11.00 A. M.—Selection of Next Meeting Place. Nomination of Officers for 1911. Report of Judges of Trade Exhibit. Annual Meeting Ladies' Society of American Florists at Seneca Hotel.

Afternoon Session.

2.30 P. M.—"Retail Florists' Association," J. A. Valentine. Discussion. "The National Flower Show." Discussion.

Evening Session.

8.00 P. M.—Illustrated Lecture, John Dunbar, Assistant Superintendent of Parks, Rochester, N. Y. 9.00 P. M.—Ladies' Reception at Seneca Hotel.

Thursday, August 18—Morning Session.

9.30 A. M.—Sectional Meetings—Retailer's Section. American Carnation Society. American Rose Society. National Sweet Pea Society. Florists' Hall Association. American Gladiolus Society.

11.30 A. M.—Election of Officers.

Afternoon—No Session.

Bowling Contest and other Sports.

Evening Session.

8.00 P. M.—Symposium on Greenhouse Heating; Speakers to be announced later. Discussion.

Friday, August 19.

In the hands of the Rochester Florists' Club.

THE GAMES AND ENTERTAINMENT.

The Rochester Florists' Association has decided to hold the outing at Manitou Beach, which includes an 8-mile trolley ride along the shore—not back, but near the water's edge most of the way. The ball game will be held at the same place, while the shooting will take place at the traps of the Riverside Gun Club at South Park.

The ladies' tournament (bowling) will take place on the Elm Alleys on Elm street, one block south of Main street East, while the tournament for

men will be held on the Grand Central Alleys, which comprise of twelve alleys, Brunswick-Balke—Callender make, with Bisson pin setters.

These alleys are to be planned and refurnished and will not be used until the opening of the convention dates, so with new alleys and new pins there ought to be something doing in the way of scores. Automobile and trolley rides, together with band concerts, will also be in order.

N. B. Clubs holding permanent trophies which are competed for from year to year are requested to get in touch with Albert F. Vick as soon as possible so that he may know whether to expect the trophies by express or whether the club will bring the trophy with them. Mr. Vick would also like the captains of bowling teams to communicate with him so that he may know how many teams will be entered, as he is about to prepare the prize list and should know at once.

THE EXHIBITION.

Superintendent Charles H. Vick informs us that the space in the large Convention Hall is nearly all gone. He will do his best to locate late comers but they should not delay any longer. The Souvenir Album will be ready about August 1. It will be a beauty and a credit to the Rochester Florists' Association. The list of exhibitors who have engaged space up to present time includes the following:

The Advance Co., Richmond, Ind.
American Blower Co., Detroit, Mich.
S. A. Anderson, Buffalo, N. Y.
Chas. Apelt, Comfort, Texas.
Art Bronze Mfg. Co., Chicago, Ill.
Chas. D. Ball, Holmesburg, Philadelphia, Pa.
H. Bayersdorfer & Co., Philadelphia, Pa.
C. Betscher, Canal Dover, Ohio.
R. S. Blake, Rochester, N. Y.
Bobbink & Atkins, Rutheford, N. J.
Arthur T. Boddington, New York City.
Lemuel Ball, Wisconsin, Philadelphia, Pa.
Wm. J. Bess & Co., Philadelphia, Pa.
L. B. Brague & Son, Hinsdale, Mass.
The E. C. Brown Co., Rochester, N. Y.
Brown Bros. Company, Rochester, N. Y.
John Lewis Childs, Floral Park, N. Y.
Climax Mfg. Co., Castorland, N. Y.
Conard & Jones Co., West Grove, Pa.
Arthur Cowee, Berlin, N. Y.
Robert Craig Company, Philadelphia, Pa.
N. L. Crawford, Le Grange, Ohio.
Henry A. Dreer, Philadelphia, Pa.
Detroit Flower Pot Mfg. Co., Detroit, Mich.
Chas. Fide, New Orleans, La.
H. Eichholz, Waynesboro, Pa.
W. H. Elverson Pottery Co., New Brighton, Pa.
Ellwanger & Barry, Rochester, N. Y.
The Foley Mfg. Co., Chicago, Ill.
Geo. N. Garland Company, Des Plaines, Ill.
Benjamin Hammond, Fishkill-on Hudson, N. Y.
George B. Hart, Rochester, N. Y.
Herendee Mfg. Co., Geneva, N. Y.
A. H. Hays & Co., Cambridge, Mass.
Jackson & Perkins, Newark, N. Y.
Ionia Pottery Co., Ionia, Mich.
Kessler Brothers, New York City.
King Construction Co., N. Tonawanda, N. Y.
H. W. Koerner, Milwaukee, Wis.
Kroeschell Bros. Co., Chicago, Ill.
Geo. S. Kuhl, Pekin, Ill.

Lager & Hurrell, Summit, N. J.
Daniel B. Long, Buffalo, N. Y.
MacFarland Publicity Co., Harrisburg, Pa.
Malloy & Bridge, Lake Mills, Wis.
W. A. Manda, South Orange, N. J.
H. B. Mann Co., Syracuse, N. Y.
Henry F. Michell, Philadelphia, Pa.
John C. Mounger Co., Chicago, Ill.
Morehead Mfg. Co., Detroit, Mich.
National Clock & Electric Mfg. Co., St. Louis, Mo.
Jos. G. Neidinger, Philadelphia, Pa.
S. S. Pennock-Meehan Co., Philadelphia, Pa.
J. A. Peterson, Cincinnati, O.
F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Reed & Keller, New York City.
M. Rice & Co., Philadelphia, Pa.
Julius Roehrs Co., Rutheford, N. J.
Schloss Brothers, New York City.
Shaw Fern Company, Pittsfield, Mass.
E. E. Stewart, Rives Jet, Mich.
Storrs & Harrison Co., Painesville, Ohio.
Stump & Walter Co., New York City.
Syracuse Pottery Co., Syracuse, N. Y.
Taylor Steam Trap Co., Battle Creek, Mich.
B. Hammond Tracy, Wenham, Mass.
Vaughan's Seed Store, Chicago, Ill.
James Vick's Sons, Rochester, N. Y.
Vick & Hill Co., Rochester, N. Y.
Wertheimer Bros., New York City.
Wilson Hoyt Co., New York City.
A. J. Binley, Glens Falls, N. Y.
Lord & Burham Co., New York City.

TRANSPORTATION.

From Boston.

Secretary W. N. Craig of the Gardeners' and Florists' Club of Boston, informs us that exact information cannot yet be given, but it is probable that round trip rates between Boston and Rochester will be 13.40, and corresponding fares will prevail from other stations in New England. A special Pullman car is being arranged for; seats in this would be \$2.00 extra, or if the party left at night, \$2.50 per berth. Probably the party will leave Boston on Monday morning, August 15, arriving in Rochester about 10 p. m.

State-vice-president E. Allan Peirce is busy with the general passenger agents and expects to be in a position to give out definite information next week. He will be present at the coming club picnic prepared to give full information concerning the convention to all desiring it. He will also be furnished with application blanks and all the necessary paraphernalia. Let all planning to go write to him at Waltham, Mass., and enroll at once.

Other Points.

Transportation from Chicago has been arranged for as mentioned in the Chicago notes in this issue and detailed on page 75, last week's issue.

M. Bloy, State vice-president for Michigan, states that there will be over fifty in attendance at Rochester from Detroit and vicinity.

The transportation committee of the New York Florists' Club are, F. H. Traendly, John Young and H. A. Bunyard, sec'y. They have secured a special train over the Lehigh Valley R. R. and full details may be obtained from Sec'y Bunyard, 342 W. 14th street, New York.

For St. Louis itinerary see Page 109.

CLUBS AND SOCIETIES

ROCHESTER FLORISTS' ASSOCIATION.

At the regular meeting on July 12, President F. W. Vick presided and several committee reports were received, including that of the entertainment committee. Charles H. Vick, superintendent of the trade exhibit, announced that already practically every nook and corner of the total of 40,000 feet of floor space had been assigned, and that still the requisitions for space were coming in.

W. H. Dildine outlined at some length a plan for promoting special interest in artistic lawns, through superior care and taste in arrangements of shrubbery and flowers. Believing that the finances of the local society will warrant the giving of prizes, it is tentatively proposed either to divide the city into districts, or to contest for prizes by streets, each householder in a particular district or on the street designated, being eligible to compete with all others in the same territory.

It is said that the scheme has been tried with marked success in some other cities, and Toronto was named as being one of the pioneers in the promotion of artistic improvement in lawns. It is planned to confer with the Chamber of Commerce in the matter, should it be definitely decided to adopt such a contest plan.

A committee consisting of W. H. Dildine, R. G. Salter and A. R. Luetchford was appointed to investigate the possibilities of the plan, and Mr. Luetchford who leaves for Canada late in the present week, will confer with the mayor of Toronto, on the work which has been accomplished in that city. The committee will report at the August meeting of the association.

AMERICAN ROSE SOCIETY.

More members of the American Rose Society have paid up their dues the present year than any time since the society was organized and we have plenty of room for more, because the larger the revenue the better the work.

The Toronto Horticultural Society sends us word that it is very gratifying to receive from the American Rose Society the bronze and silver medals which have been forwarded to them as prizes to be offered in the City of Toronto. These medals certainly create an interest wherever they are received.

Making a long tour, it has been remarkable how many places are most beautifully decorated with Rambler roses this season. The use of the Rambler for decorating any odd spot is certainly growing.

The City of Rochester is making a strong effort to have a great show for the S. A. F. in August and the American Rose Society will call a meeting during the convention. President Elliott will do all that is in his power to push the society along, following in the foot-steps of the able men who were his predecessors.

A matter of some importance that will be brought up for consideration at Rochester will be looking forward to special prizes to be offered at the Spring Show of 1911. The American Rose Society, in the combined show of

all flowers, wants to take the lead. Probably sixty per cent. of all flowers raised for sale in America are roses and what we want to do is to get enough people interested in advance to make the Rose Show in 1911 the best exhibit that can be produced. We would like to have prizes enough to warrant drawing exhibits from every point within transportable distances.

BENJAMIN HAMMOND, Sec'y.

CINCINNATI FLORIST SOCIETY.

The annual meeting and election of officers of the Cincinnati Florist Society was held at the residence of Gus Adrian, Clifton. The following members were elected to guide the destinies of the Society for the coming year: C. E. Critchell, president; Wm. Murphy, vice-president; Alex. Ostendarp, secre-



C. E. CRITCHELL

President-Elect Cincinnati Florists' Society.

tary; Ed. Forter, treasurer; Herbert Greensmith, director.

After the meeting the Society were guests of Mr. and Mrs. Gus Adrian, who served lunch and refreshments. A vote of thanks was tendered to them for their kind hospitality.

NEWPORT HORTICULTURAL SOCIETY.

The premium list for the autumn exhibition of the Newport Horticultural Society, which is to be held at Masonic Hall, Newport, R. I., on September 17, 18 and 19, 1910, should prove an attractive one for the plant and flower growers and dahlia enthusiasts, as it is both comprehensive and liberal, amounting to over \$800 all together. There are valuable specials for table decorations, from Mrs. H. D. Auchincloss, Mrs. E. J. Berwynd, Richards Bros., R. L. Beekman and Mrs. Goelet; for out door flowers, from Mrs. Goelet; asters, from Mrs. W. Storr Wells; gladioli, from John Lewis Childs; hardy perennials, from H. A. Dreer. Send to Secretary D. G. Coughlin for a copy of the prize list.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting was held at Pembroke Hall, Glen Cove, N. Y., July 12. Messrs. Marshall, MacKenzie and Halloway acted as judges with the following decisions: Best 24 varieties sweet peas, Geo. Ashworth; best 12 varieties, T. McDonald; best 6 varieties, Spencer type, T. McDonald; arranged for effect, G. Barton, with a splendid basket arrangement on a cane, greatly admired by everyone. Cultural certificate was awarded to F. Petroceia for celery, honorable mention to same for sweet peas and corn and to O. Addor for Romaine. A silver cup is offered by Stumpp & Walter Co. for our fall show. J. K. M. L. Farquhar, of Boston, will lecture on "Gardens of Italy," at our next meeting Sept. 14. It will be aster night. Among the prizes will be a special offered by Henry Matz for best 24 white. Our annual outing will be held at Oyster Bay, Aug. 3, and a grand old time is promised.

O. E. ADDOR, Cor. Sec.

ST. LOUIS FLORIST CLUB.

The members of the Florist Club enjoyed a pleasant afternoon in their meeting hall with a "smoker" and a very large attendance. The features that brought out the members were the nomination of officers, the final report of the Bulletin Committee, the distribution of badges for the picnic and a talk by Luther Armstrong, who was first secretary of the Club 23 years ago, on "What This Club was Organized For."

The Picnic Committee through Mr. Bentzen reported that all arrangements are complete for the annual outing and that a complete program would be published early in the week. Mr. C. Delbrow, chairman of the Bulletin Committee, in his report stated that his committee had held meetings during the month and they would report all in favor of issuing a bulletin each month for the benefit of all in the local trade. The report was discussed and on a final vote it was decided to publish the bulletin and that the present committee be in charge of the early issues. The nominating of officers took place at this point and were as follows: George B. Windler for president, Frank A. Weber for vice-president, J. J. Beneke for secretary, W. C. Smith for treasurer, E. W. Guy and A. H. Ahner for a three-year term trustee.

In the course of his remarks Mr. Armstrong told the members how the Club came to be organized and by whom, and what its objects were. It was first called the Florists' Exchange, its object being to facilitate buying and selling, and that the bulletin just adopted will be in keeping with the objects of the first members who have all departed to the great beyond, he being the only one left. At the close the meeting gave him a vote of thanks and made him an honorary member of the Club.

The next meeting of the Club, August 14, will also be full of interesting features and a large attendance is already assured.

ALBANY FLORISTS' CLUB.

The July meeting was held on the 8th inst. at the home of the president, Frederick Goldring. Chairman F. A. Danker of the committee having in charge the flower show held last November, made his final report. The report showed: Receipts, \$1,791.56; disbursements, \$1,774.50, leaving on hand in the treasury a balance of \$17.06. The sum of \$42.75 is still due the club for tickets and some of the money will undoubtedly be turned in. The officers and members of the club expressed themselves as well satisfied with the showing made and hope that the second annual show will be even more successful.

The resignation of Louis Menand, Jr., as treasurer of the club and of the flower show committee, was received and accepted with regret. Mr. Menand explained that owing to failing health he could no longer assume the responsibilities of the offices. Patrick Hyde was nominated and elected in his place.

During the early evening many of the members and visitors inspected the greenhouses and grounds of President Goldring. The next meeting will be held at the establishment of Fred A. Danker, Central avenue, Thursday evening, Aug. 4.

AMERICAN GLADIOLUS SOCIETY.

There is every indication that the first exhibition of gladiolus blooms, under the direction of the American Gladiolus Society, will be very successful, but we hope that every one interested in gladioli will lend their aid in making it an unusual success.

Our membership now is about 110. We would like to double this before the annual meeting in August. Let us all give a boost. Start it by sending in your application.

ISAAC S. HENDRICKSON, Pres.

H. H. Groff, of Simcoe, Ontario, has offered a premium of \$10 for the best gladiolus exhibit of the best quality in white and light, dark, blue, and yellow hybrids; not more than three spikes of each variety, and not less than one vase of each color section.

This offer was sent in too late to be printed in the schedule which has just been sent out, but those who wish to compete for this prize will enter same as "No. 15, Open Class." Please forward your entries soon as possible.

L. MERTON GAGE, Cor. Sec.

Orange, Mass.

ST. LOUIS HORTICULTURAL SOCIETY.

In addition to the regular lists of premiums offered for the Fall Show which will be held in the Coliseum, November 8, 9, 10, 11 and 12, the following special prizes are offered: for best display of roses, \$500; best display of chrysanthemums, \$500; best display of carnations, \$500. The addition of these \$1500 prizes is made possible through the citizens' committee, who, under the leadership of Capt. Robt. McCulloch, are co-operating with the Horticultural Society and will give St. Louis one of the greatest flower shows ever held. All growers throughout the center states and the east are urged to stimulate the offering of prizes in such liberal quantity by prompt and liberal entry in the above

classes. Prospective exhibitors will please apply for spaces required and further particulars to—

OTTO G. KOENIG, Sec'y.

NATIONAL ROSE SOCIETY.

The annual show of this society was held on Friday, July 8, in the Garden of the Botanic Society, Regents, London, and was in extent, and in the fine quality of the flowers shown, one of the best in recent years. The weather has been cloudy and abnormally cool, so that the blooms have not been hurried.

There were ten new seedling roses that received awards and medals; viz: from S. McGreevy, of Portadown, Ireland, Evelyn Dauntsey, a H. T. of a light flesh color with a pure flesh stain on the exterior of the petals; Mrs. Joseph H. Welch, a big rose of a deep pink color. Their other seedling, Mawley, is of a very great size, deep crimson, fragrant, the petals similar in shape to those of *Magnolia grandiflora*. It is fragrant.

Lowe & Sharman, of Uxbridge, showed Lady Hillington, rich yellow, large flower, fairly full, carried erect on tall stalks. A gold medal was awarded. This firm showed their new seedling rose Mrs. George Shawyer, H. T., old rose, of filbert form, with plenty of petals. Rayon d'Or, a moderately well filled flower, canary yellow, shown by Dr. A. R. Waddell, received a gold medal.

B. R. Cant, of Colchester, showed Rose St. Helena, tinted yellow, pointed and in outline pleasing. Their new variety Colcestria, a H. T., a light cherry-red, of good substance and an unusually well-filled flower, received a commendation. Mrs. Foley Hobbs, shown by Alexander Dickson & Sons, was awarded a silver gilt medal. It is of a pale flesh tint and with a pointed centre.

FREDERICK MOORE.

ROYAL HORTICULTURAL SOCIETY.

The show season having arrived at its apogee, culminated in two events—the meeting at Holland House, at Kensington on July 5, and the show of the National Rose Society at the Botanic Garden, Regents Park, three days later. Sander & Sons received a first class certificate for *Miltonia vexillaria* *Lambeaniana*. Awards of merit were made to them for *Cattleya Dietrichiana* (*superba* x *Hardyana*), *Cypripedium Cusisii*, much larger and of finer color than any other as yet imported by this firm. The *Cattleya Mendelii* King George shown by them showed remarkable variation. Stuart Low & Co. received a first class certificate for a very fine *Cattleya Mendelii* "Stuart Low," the flowers of which are pure white and the disc chrome yellow.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.**Registration of Fern.**

Public notice is hereby given that Kessler Bros., 52 W. 28th St., New York, and G. Dreyer, Woodside, L. I., offer for registration the Fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the

registration, the same will be made three weeks from this date.

Raiser's Description.

A sport of *Nephrolepis Bostoniensis* and of the *Scottii* type; of compact growth with flat leaves of dark green color. The fronds are narrow and droop over the pot when the plant is full grown.

Name, *Nephrolepis Dreyerii*.

H. B. DORNER, Secretary.

July 14, 1910.

CLUB AND SOCIETY NOTES.

The Lenox Horticultural Society will hold its annual summer exhibition at the Town Hall, Lenox, Mass., Thursday, July 28th. This exhibition will consist chiefly of annuals and perennials, sweet peas, fruit and vegetables.

The Lake Forest, Ill., Horticultural Society will give their fourth annual flower exhibition the second week in September. A catalogue, with attractive prizes is being prepared, and this event, always an important one on the North shore where are many of the finest estates in the country, will this year be second to none of the preceding ones.

The Angelica (N. Y.) Floral Society will hold its first annual exhibition in Assembly Hall, August 16 and 17. Samuel A. Hamilton of Huntington, Pa., will act as judge. Among the many donors of prizes we notice the names of W. Atlee Burpee & Co., of Philadelphia; E. A. Higgins, of Avoca, N. Y., the sweet pea specialist, and Wettlin Floral Co., of Hornell.

The Texas Gulf Coast Nurserymen's Association formed an organization at Corpus Christi, Tex., July 11. R. H. Bushaway, of Alcoa, is president; W. C. Griffin, of McAllen, vice-president; R. W. Hobart, of Arcadia, secretary; W. A. Stockwell, treasurer. The board of directors is composed of F. G. Hutchins, of Beeville; J. H. Arbenz, of Sarita; T. M. Johnson, of Bay View; J. H. Leonard, of Dickinson; W. C. Griffin, of McAllen. Alvin was selected as the next place of meeting on the first Monday in June, 1911.

GREAT EXHIBITION AT BOSKOOP IN APRIL, 1911.

On the occasion of the fiftieth anniversary of the Pomological Society of Boskoop, Holland, the members of which were formerly engaged principally in the cultivation of fruit trees, but have now for a number of years applied themselves almost exclusively to growing flowering and decorative foliaged plants and shrubs, an exhibition of forced shrubs will be held during the first half of the month of April, 1911. This will be highly interesting, for the assured interest and co-operation of the principal firms of Boskoop and its environs guarantees that a great demonstration will be given of the extent and perfection which the cultivation of various shrubs has reached in this well known centre of nurseries. The exhibition building will occupy a surface of 2600 square metres.

Among the visitors at the Holland House show, London, England, two weeks ago, were Louis Dupuy, White-stone, N. Y., S. T. Goddard, Framingham, Mass., and Albert Truffaut and August Nonin of Paris, France.

UNITED STATES DEPARTMENT OF
AGRICULTURE.

Bulletin No. 36, Foreign Plant Introductions, April 24 to May 1, 1910.

Fagus orientalis. 27662. From Tiflis, Caucasus, Russia. The Caucasian beech growing into a tall and imposing tree. The wood is excellent material for tubs and barrels, furniture and vats. These seeds came from Elisavetpol where there is only a slight annual rainfall, 10-12 inches. (Meyer's introduction.)

Fragaria chiloensis. 27423-429. A collection of seven kinds of Chilean strawberries from Mr. Jose D. Husbands, including white, pink, yellow and red fleshed varieties. "The medium-sized, red sorts are softer fleshed, sweeter and better flavored than the white kinds. They do not keep long after picking and must be used fresh. The large white and yellow classes have solid flesh, are good keepers and shippers, but they lack the exquisite flavor of American varieties; they are good eating and are highly esteemed as desirable sorts. The demand is

small tree, occurs in many places in the Caucasus and is recommended as an ornamental evergreen in semi-arid section. *Juniperus foetidissima*. 27671. From Tiflis, Caucasus. A tall tree occurring in dry places. Of value as an ornamental and timber tree in dry regions where fairly mild winters prevail. (Meyer's introduction.)

Lagenaria vulgaris. 27712. From Hankow, China. Presented by Mr. A. Sugden. "Small, yellow gourd which hangs on the plant all winter; has a fluffy white flower." (Sugden.) For distribution later.

Laurocerasus officinalis. 27684. From Tiflis, Caucasus. A variety of laurel-cherry coming from the higher mountains of the Caucasus. Able to stand a temperature of 10 deg. below zero. Of rather slow growth and of low, spreading habit. (Meyer's introduction.)

Lolium multiflorum. 27435. Italian rye grass from Mr. Jose D. Husbands, Limavida, Chile. "Best all around wild pasture grass. May be classed as equal to timothy; an annual." (Husbands.) For distribution later.

Malus sp. 27769. From Tiflis, Caucasus. A native Caucasian variety of winter apple, excellent for keeping and shipping. (Meyer's introduction.)

Medicago arabica. 27675. From Souchoum Kale, Caucasus. This was picked out of No. 27343. See this number for description. (Meyer's introduction.)

Medicago denticulata. 27343. From Kale, Caucasus. An annual bur clover found growing along an embankment. Probably two species in this lot. (Meyer's introduction.)

Medicago lupulina. 27437. From Mr. Jose D. Husbands, Limavida, Chile. "A new sort from the highlands of the Cordilleras." *M. sativa*. 27438. "Seed from wild alfalfa plant found in the virgin forest of the inner Cordillera at a high altitude." (Husbands.) For distribution later.

Melilotus indica. 27439. From Mr. Jose D. Husbands, Limavida, Chile. "A wild sweet clover, yellow-flowered, highly esteemed for fodder, eaten by all animals." (Husbands.) For distribution later.

Melilotus spp. 27603-608. Seed of 4 species of *Melilotus*, *M. dentata*, *M. indica*, *M. italica* and *M. messanensis*, from St. Petersburg, Russia. Presented by Dr. A. F. V. Waldheim. For distribution later.

Morus spp. 27714-720. From Tiflis, Caucasus. 27714. An interesting variety of the weeping mulberry, making twigs often 10 feet in length and hanging straight down. Very beautiful when grafted high, that is, from 10 to 20 feet above the ground. *Morus alba*. 27715-719. 27715. An ornamental mulberry making a dense globular head. Can be used to advantage in gardens of somewhat formal outlines. 27716. A robust variety of mulberry, looking at a distance strikingly like a Lombardy poplar. 27717. A variety of mulberry having large leaves and bearing large, black berries of good taste; of value as an ornamental and fruit tree. 27718. Variety *italica*. A very large-leaved variety of mulberry, said to be of Japanese origin. The leaves are unlike other mulberries, being more or less lobed like *Broussonetia papyrifera*. 27719. A mulberry bearing long, black berries of a raspberry-like taste. 27720. *Morus*

nigra. A native variety of mulberry producing large, black berries of a fresh-sweet taste and from which excellent preserves can be made. Ripens from the end of July until the middle of September. (Meyer's introductions.)

Nothofagus sp. 27440. From Mr. Jose D. Husbands, Limavida, Chile. White-oak. "A fine timber tree for any industrial use." (Husbands.) For distribution later.

Paeonia Mlokosewitschi. 27674. From Tiflis, Caucasus. A rare native Caucasian peony, herbaceous, bearing yellow flowers. To be employed in creating a strain of double, yellow-flowered herbaceous peonies. (Meyer's introduction.)

Paspalum sp. 27576. From Para, Brazil. Presented by Mr. Walter Fischer. "This grass is the first to take possession of clearings and is much relished by cattle, and consequently highly valued by the natives. It grows with astonishing rapidity, throwing out runners 20 to 30 feet in length in a very short time. Its height when in flower is 2 to 3 feet. For Florida it would probably make an excellent sand binder and pasture grass. According to Dr. Huber, of Para, this grass has never been named and it is not known whether it is in-



MORUS ALBA PYRAMIDALIS

(S. P. I. 27716).

A robust variety of mulberry, looking at a distance strikingly like a Lombardy poplar. May prove of value in the mild-wintered, semi-arid sections of the United States.

largely in excess of the supply." (Husbands.) For distribution later.

Gleditsia Caspica. 27335. From Tiflis, Caucasus. A honey locust growing into a rather spreading, densely branched, low tree, bearing a multitude of heavy, fleshy pods. Of value as a shade and park tree in the semi-arid regions of the United States. (Meyer's introduction.)

Halimodendron Halodendron. 27668. From Tiflis, Caucasus. A very spiny shrub, a native of the Caucasus. Apparently very drought resistant. An ornamental garden shrub and hedge plant. (Meyer's introduction.)

Inodes sp. 27342. From Souchoum Kale, Caucasus. A low-growing sabal, for planting along driveways or paths in orchards where tall plants are not wanted. The climate is mild enough here to grow oranges and other citrus fruits. (Meyer's introduction.)

Juniperus communis. 27673. From Tiflis, Caucasus. This well known shrub, occasionally growing into a



JUNIPERUS FOETIDISSIMA

(S. P. I. 27671).

A fine spreading specimen of this juniper found in the mountains near Geok-Tapa, Russia. The lumber is valuable for fence posts and in the manufacture of lead pencils. It makes a desirable ornamental park and garden tree. It may prove valuable in the mild-wintered, semi-arid sections of this country.

digenous or introduced." (Fischer.) For distribution later.

Populus spp. 27721-723. From Tiflis, Caucasus. 27721. *Populus alba*. A tall growing, very pyramidal poplar, having a white trunk. 27722. *Populus alba*. A well-known pyramidal poplar, coming originally from Turkestan. Often confused with, yet distinct from, *P. alba pyramidalis*. Quite resistant to canker. 27723. *Populus* sp. A tall poplar of very spreading habits and having silvery white bark. Grows very fast. Apparently a native of the Caucasus. (Meyer's introductions.)

Prunus microcarpa. 27337. Seeds from Tiflis, Caucasus. Plants under No. 27303. A shrubby, small fruited cherry, flowering early in spring. To be tried as an ornamental flowering shrub and perhaps also as a stock for stone fruits. (Meyer's introduction.)

Punica granatum. 27772-774. From Tiflis, Caucasus. 27772. Fruits of medium size, globular, compressed on the sides. Rind light red; flesh rosy-white, sweet. A medium prolific bearer. 27773. Fruits very large;

rind thick, red; flesh dark red, juicy, of sour-sweet taste; seeds large. A very prolific bearer. 27774. A native Caucasian variety called "Savalan Nar." (Meyer's introductions.)

Pyrus sp. 27770. From Tiflis, Caucasus. A native Caucasian variety of pear suitable for regions with dry, hot summers. *Pyrus nivalis* *e* *agnifolia*. 27670. From Tiflis, Caucasus. A shrubby, wild pear occurring in very dry places, mainly in Eastern Caucasus. Recommended as a dwarfing stock for pears and as an ornamental garden shrub. (Meyer's introductions.)

Rhamnus Pallasii. 27669. From Tiflis, Caucasus. An ornamental, deciduous shrub growing in very dry and sterile places. Recommended for bank-binding and as an ornamental garden shrub. (Meyer's introduction.)

Rubus fruticosus. 27441-450. Ten varieties of wild blackberry from Mr. Jose D. Husbands, Limavida, Chile. "All sweet and good flavored, some especially so. In their wild state they would serve well for commercial and domestic uses, if the people had learned to esteem them. The only objection is their excessive plant growth; 15 feet would be the average height. They spread quickly. They make an effective hedge, but need annual pruning to keep them from becoming a pest. I consider the blackberries of the South as superior to those of Central Chile, (Nos. 27442, 443 and 446), but incomparably less productive. If by crossing you can obtain their flavor and great productiveness upon dwarf plants, you will have made a great advance." (Husbands.) For distribution later.

Solanum sp. 27452-453. Two kinds of potatoes sent in by Mr. Jose D. Husbands, Limavida, Chile. Grown in the Southern part of Chile. For distribution later.

Solanum spp. 27651-659. A collection of nine varieties of potatoes from Bolshaia Viska, Russia. Received from Mr. B. E. Neuberg, through Mr. W. V. Shear. For distribution later.

Solanum mammosum. 27713. From Hankow, China. Presented by Mr. A. Sugden. "Five-finger gourd from Canton. Big leaf with thorns on it. Fruit a deep yellow; it lasts for a long time and is both highly ornamental and quaint. There are five small fingers sticking out from the base on which it stands when picked. Size about 3 x 2 inches." (Sugden.) For distribution later.

Solanum melongena. 27666. From Tiflis, Caucasus. A native Caucasian variety of egg plant; the fruits are of dark purple color, of elongated shape and medium size. Considered to be a good sort. (Meyer's introduction.)

Sophora macrocarpa. 27454. From Mr. Jose D. Husbands, Limavida, Chile. "A beautiful tree, the fruit of which is edible." (Husbands.) For distribution later.

Spartium junceum. 27451. From Mr. Jose D. Husbands, Limavida, Chile. "Retama. A beautiful leafless bush or treelet, 6-8 feet high, with large yellow, delightfully fragrant flowers, which remain in bloom a long time." (Husbands.) For distribution later.

Strychnos sp. 27455. From Mr. Jose D. Husbands, Limavida, Chile. "A

beautiful, dwarf ornamental tree from the innermost Cordilleras near the perpetual snow line." (Husbands.) For distribution later.

Tilia sp. 27667. From Tiflis, Caucasus. A beautiful native Caucasian shade tree, growing to be very old and of large dimensions. Of value as a park and avenue tree in the mild-wintered sections of the United States. (Meyer's introduction.)

Trifolium pratense. 27600-602. Three varieties of red clover from Roiken-vik, Norway. Presented by Mr. Lars Hvinden. 27600. Molstad. 27601. Toten. "These red clovers are late varieties and should not be grown on marshy soil, but they stand the severest cold for 3 or 4 years in Norway." 27602. Hvinden's. "A red clover which I have discovered by chance. It has grown on my farm for 3 years, and gives the richest crops I ever saw. It is earlier than Molstad and Toten clovers, and can be cut twice in the summer." (Hvinden.) For distribution later.

Trachycarpus excelsus. 27456. From Mr. Jose D. Husbands, Limavida, Chile. "A dwarf palm, trunk covered with hair. For lawn decoration and gardens." (Husbands.) For distribution later.

Undetermined. 27459. From Mr. Jose D. Husbands, Limavida, Chile. "A splendid evergreen tree. When in flower the entire wood and branches are covered with flowers, which gives the tree the appearance of being covered with yellow lace." (Husbands.) For distribution later.

Vigna unguiculata. 27586. From Honolulu, Hawaii. Presented by Mr. F. G. Krauss. "Wilcox. A cowpea which, so far as I have been able to determine, originated in our trials of 1907, either as a mutant or rogue. As it does not resemble any of the half dozen varieties we have been growing in recent years, I do not think it is a hybrid. It is far ahead of anything we have grown in cowpeas. In the fully developed form before drying the pods are a beautiful deep crimson." (Krauss.) For distribution later.

Vitis vinifera. 27685-697. Thirteen varieties of grapes from Belgrade, Servia. Presented by the Serbian Royal Ministry of Agriculture; forwarded through Mr. Robert S. S. Bergh, American Consul. For distribution later.

Zea Mays. 27598-599. Two varieties of corn from Mexico. Procured by Mr. Samuel E. Magill, American Consul, Guadalajara. For distribution later.

Mr. Peter Bisset, Expert Plant Introducer of the Bureau of Plant Industry at Washington, informs us that any one finding in the above list, seeds or plants in which they are interested, will be promptly supplied with what they ask for, if sufficient material is on hand. Should the material be limited, which is often the case, their names will be placed on file and the material will be sent as soon as it can be propagated and got ready.

J. E. Simpson, whose occasional articles on rose culture have attracted attention in the columns of HORTICULTURE, has moved from Clifton, N. J., to Upsal Sta., Germantown, Pa., where he will take charge of John Welch Young's greenhouse establishment.

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual picnic of the club will be held at Pine Banks Park, Malden, on Wednesday, July 27, 1910.

To reach the picnic grounds take elevated trains to Sullivan Square, there change to a Malden surface car, getting off at the field entrance to the Park, which will be found much more convenient than the main entrance.

An unusually attractive list of prizes has been donated for the various athletic events, which it is hoped will bring out, as usual, some keen contests.

Commercial men can well afford at this warm season, when flower sales are at their minimum, to take a day off, and we hope they will allow any employees who may wish to attend to do so. Private gardeners and their assistants will also be benefited by a pleasant little outing such as this offers. Seedsmen, commission men and retailers are none of them overwhelmed with business just now, and we hope to see them out in goodly numbers on July 27.

The sporting events will start at 10 o'clock sharp, and the list is as follows:—

1. Base Ball—Commercial versus Private Gardeners. Limited to 5 innings; captains: A. E. Walsh, R. W. Curtis. 2. Base Ball—Boys 16 and under. Limited to 5 innings; captains: Alfred Hall, Tom Westwood. 3. 100 Yards Race, handicap. 4. 100 Yards Race Boys under 15. 5. 50 Yards Race, married ladies, handicap. 6. Quoit Match. 7. 50 Yards Race, handicap—Girls under 8. 8. High Jump. 9. Flag Race—Girls under 15. 10. Putting 16-lb Shot. 11. Flag Race—Married ladies. 12. 50 Yards Race Unmarried ladies. 13. Sack Race—Men. 14. Sack Race—Boys. 15. 240 Yards Race Men. 16. Fat Men's Race. 17. Broad Jump. 18. Three-legged Race—Men. 19. Three-legged Race—Boys. 20. Half-mile Race. 21. 50 Yards Race—Boys under 8. 22. Tug-of-War 11 men a side—Commercial versus Private Gardeners. Captains: Thos. Pegler and D. Finlayson. Special consolation prizes for girls under 12 and boys under 12. Prize for each event, pair of Guinea Pigs.

Ringmaster, W. J. Kennedy. Starter, Edward Rose. Handicapper, William McGillivray. Clerk, William N. Craig. Judges, William Downs, William J. Stewart, Kenneth Finlayson, Thomas H. Westwood, James Wheeler, A. F. Barney, Geo. Shield. Umpire, James L. Miller. Scorer, William E. Cahill.

Committee—Thos. Pegler, J. P. A. Guérineau, H. E. Fiske, William E. Fischer.

P. J. Turley, Chairman of Entertainment Committee.

Athletic events are open to members, their wives and families only. There will be an intermission for luncheon at 12.30 o'clock. A cordial invitation is extended to non-members to be present; they will be made very welcome.

W. N. CRAIG, Secretary.

PETER M. MILLER, Vice-President.

The annual outing and banquet of the Buffalo Florists' Club will take place at Fort Erie Grove on Wednesday, July 27. Final arrangements have been completed for one of the best programs of athletic events that the club has ever had. The usual interesting baseball game "Retailers vs. Growers" will be an exciting event as heretofore.

A VISIT TO KINGSTON, R. I.

The Florists' and Gardeners' Club of Rhode Island, on Monday, 18th inst., enjoyed a most delightful and instructive visit to the Rhode Island State College at Kingston. The members, to the number of fifteen, were joined at the R. R. Station in Providence by Jackson Dawson, M. H. Norton and W. J. Stewart who had come down from Boston on invitation. The party was under the direction of Secretary W. E. Chappell who on arrival at Kingston handed them over to the custody of Dr. H. J. Wheeler, Director of the Experiment Station, who had conveyances in waiting to carry the visitors to the College grounds on the hill, two miles distant. At the grounds Dr. Wheeler was joined by the President of the College, Dr. Howard Edwards, who presently escorted the guests to a substantial dinner and for the rest of the day these two gentlemen were indefatigable in their efforts to entertain and give information as to the work this institution is doing.

The Rhode Island State College is doing a splendid service for the young men and young women of the State. With only moderate resources, the educational work in every department is being carried on on a comprehensive scale and the College activities will not suffer in comparison with those of any agricultural college in the country. The Extension Department is well organized and the people of the State are taking full advantage of the advantages offered for a rational education in the things that appertain to outdoor life and the enjoyment of rural environment. The agricultural and horticultural departments are especially well organized and equipped. At the present time the Summer School is in session, many of the pupils at this season being school teachers who are making practical use of their vacation in studying up so as to fully adapt their instruction to the needs of their time.

The various dormitories, laboratories, halls and administrative buildings, all stately and substantial, several being of granite quarried on the spot, and their uses and equipment, were shown and described to the visitors who then repaired to the fields in which Dr. Wheeler's experimental work on crops and soil is carried on. No better adapted piece of land for farming operations could be found anywhere. Very extensive experimenting and investigation on soil fertility, use and effect of various fertilizers, rotation of crops and similar problems are being conducted by Dr. Wheeler, many of them new in character and unique in scope and the length of time over which the trials extend gives especial value and reliability to the deductions arrived at. Some of the trials have been going on with careful exactness and uniformity for ten and twelve years and will be continued still further before final summing up is made.

One trial will serve for example. A series of plots, each one-tenth of an acre, are being used to determine the result of plants on plants and what crops can profitably follow one another. In the present instance onions are being used and the effect of various previous crops on onions is tested, the land having been under preparation for ten years. The comparative crop



CINCINNATI FLORISTS' SOCIETY

At Residence of Gus Adrian, Clifton, July 11, 1910.

of onions this year on these various plots is very impressive. Those on land where red top, oats and millet were the preparatory crop respectively being very fine and those where rye, buckwheat or cabbage had been grown being impoverished and worthless. Swede turnips, mangels and timothy show medium poor results and onions and potatoes fairly good. The final work will be in the line of experimentation on each of these plots to ascertain what fertilizing constituent should be restored in each instance to bring the land back into condition for onion growing and the work can, of course, be extended to other crops indefinitely.

Other interesting researches, among the many, are the grass tests, where plots of various species and special mixtures are being treated with certain fertilizers in systematic succession to determine lawn value, in which the encouraging effect of an alkaline soil on weed growth is plainly seen and the cleanliness of an acid soil demonstrated although in other respects not all the advantage is on the acid side. In the greenhouses interesting experiments covering a series of years are being made to determine how to keep the same soil going the longest time without change, in the carnation benches.

The above is merely an intimation of the many interesting things which the visitors were shown on this pleasant occasion. Refreshments were served at the time for departure, when Mr. Stewart took opportunity to express on behalf of the guests their grateful appreciation of the attention which had been shown them and of the excellent work being done at this institution.

J. W. Seitz, manager of the Butte Floral Company, Butte, Mont., is on his way back after a visit to his mother's old home in Cincinnati. He left there 30 years ago to try his fortune in the golden west with which he is more than satisfied. On his return Mr. Seitz will stop for a few days at Denver, where he spent several years before going to Butte.

ST. LOUIS TO ROCHESTER.

Otto G. Koenig, S. A. F., vice-president for Missouri, is sending out the following bulletin:

Dear Sir:

It being one of the duties of the State Vice-President to look after the welfare of members making the Convention trip to Rochester in August, it gives me pleasure to notify you herewith that the official route and train from St. Louis to the Convention City will be the Big Four "Knickerbocker Special" leaving St. Louis Union Station at 1.00 o'clock noon, Monday, August 15th.

The special Pullman provided for the party will be fully equipped and arrive in Rochester at 9.20 Tuesday morning. The fare for the round trip from St. Louis to Rochester and return including thirty (30) day stop-over when and where desired is \$23.16, aside from sleeper reservation which is \$4.00 for each way.

Those who have made the trip on this train to Niagara Falls two years ago may remember the many pleasures and the very courteous manner in which Big Four officials served the Convention party and although the terminus of this train is Buffalo, yet provisions have been made for the "Florists' Special" to move onward into Rochester.

Since it will be necessary to make due and prompt provisions to make all conveniences available you will kindly reply by return mail whether or not you intend being one of our party to the Rochester Convention or if not positive at the present time what the possibilities are, also kindly let me have items of interest or trade conditions which may become a part of the Missouri State Vice-President's report.

Further information can be had by applying to

Yours truly,

OTTO G. KOENIG,

State Vice-President.

6473 Florissant Ave., St. Louis, Mo.

NATIONAL FLOWER SHOW.

A meeting of the Board of Control is to be held within a day or two at Boston to perfect arrangements appertaining to the National Flower Show for 1911.

The committee will have a designated headquarters at Convention Hall, Rochester, during the S. A. F. Convention, August 16 to 19, next, and Chester I. Campbell, manager of the show will establish his office there during that time, where he will be prepared to discuss matters of detail and arrange for space assignments and rentals in the section devoted to Trade Displays.

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

- 6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.
- 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.
- 9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of *NEPHROLEPIS*, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to *Elegantissima* that *Scottii* does to *Bostonensis*. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

Obituary.

Mrs. George M. Anderson.

The many friends of George M. Anderson, of Milton, Mass., who have repeatedly expressed their sympathy with him and his wife during the time of her sickness will regret to learn that Mrs. Anderson passed away on Saturday, July 16. She had been ill for about six months with a very painful spinal trouble. The funeral took place on Tuesday afternoon, July 19.

Daniel Spillane.

Daniel Spillane, who for more than forty years has been gardener and superintendent for Samuel C. Lawrence, Medford, Mass., died at his home, 2 Post Office avenue, Tuesday, July 12th. Mr. Spillane was in his 68th year and was born in Cork, Ireland. He is survived by a wife, five sons and two daughters. The burial was at St. Paul cemetery, Arlington.

Mrs. Nathan Smith.

Mrs. Nathan Smith, widow of the late Nathan Smith and mother of Elmer D. Smith, of Adrian, Mich., died suddenly of heart disease on the 12th inst., at the home of her niece, Mrs. Esther Winegar at Rochester, Mich., where she was visiting. The funeral took place on Friday, July 15, from her late home in Adrian. Mrs. Smith was nearly 87 years of age.

Mrs. Smith's time was largely taken up with her home and business interests while health and years permitted of her activity. She had been very prominent in the Ladies' Aid, which during the war did so much to give comfort to the soldier boys at the front.

Gustav Drobisch.

Gustav Drobisch, one of the pioneer florists of Ohio and the oldest in Columbus, where he has been located for forty years, died on July 9, after a week's illness. He was born in Saxony and came to this country when only fourteen years of age. Although he was thoroughly American in his ways and beliefs, he never lost his love for the fatherland, and was

active in all movements which were calculated to keep alive German sentiment. Mr. Drobisch was of a pleasant and companionable disposition and full of interesting reminiscences of the early days of the flower business. He leaves a widow and five daughters.

Henry F. Tibbits.

Horticulture has lost a true friend in the death of Henry S. Tibbits, July 11th, principal of the John Spry School, Chicago, over which the flag now hangs at half mast in his honor. Mr. Tibbits was noted for his love of plants and flowers and at his request a conservatory was built in connection with the school many years ago, and hundreds of pupils have gone out with a love and knowledge of plants that has carried its influence into many parts of the city. His death was due to a gas explosion and his loss at 45 means much to the progressive policy of the school as well as to the wife and four children.

The school grounds had been transformed from a waste to a place of beauty and trees were planted years ago, one of a kind, that the pupils might study the different varieties as well as enjoy the shade.

His funeral last Sunday was largely attended and the chapel was made beautiful with the palms, ferns, etc., from the school conservatory.

THE LATE PROF. S. B. GREEN.

The sudden death of Prof. Green was a terrible shock. Only a few days before we dined together at Hotel Vendome, Minneapolis. For years we have been close friends, visiting back and forth. I induced the associated societies of Nebraska to call him for an address. He had 1000 hearers and he delighted them by having something to say and knowing how to say it. He was one of the most genial and magnetic men I ever knew. He was president of the Minneapolis Horticultural Society, the largest numerically in the world. He was the "master of assemblies." You could feel the thrill of his energy and enthusiasm through the great gatherings. Everything was on time and the program seemed surcharged with vigor. He was in the

fullness of his prime. He died in the harness. He was probably overworked and this added to the terrible and unprecedented heat, was too much. No man has done more for forestry and fruit growing in the northwest. His name is a household word. He published several books which will keep his memory fresh for long years to come. He was a Christian and had a warm heart. While carrying on important educational work I often appealed to him and found a ready response. In the course of nature he should have staid with us 25 years yet. But he has rounded out a full life and among the hundreds of young men who have been under his influence there will be scores who have caught his spirit and will carry on his work.

C. S. HARRISON.

York, Nebraska.

CHICAGO NOTES.

Low R. R. Rates to Chicago.

Those desiring to visit Chicago this summer can get a special rate of 1-1-3 fare at four different intervals of several days each, the first beginning July 15, and the last return closing Sept. 10th. The Chicago Association of Commerce has made arrangements with many of the railroads and the whole of the United States is practically covered. C. M. Dickinson, manager of the E. H. Hunt Co., the oldest florists' supply house in the city, is a member of the Association of Commerce and will be pleased to give full information to any florist writing him for dates, etc. These periods cover several important events and florists will do well to time their visits thus.

A Plant Embargo.

Chicago growers are already feeling the effect of The Destructive Insect and Pest Act passed recently in Canada. A shipment of *Asparagus Sprengeri* and other plants shipped by a Chicago grower to Winnipeg, Manitoba, was sent back after going as far as St. Paul on its way. The act forbids the importation of plants into Canada, excepting from Sept. 26 to Dec. 7, and from March 15 to Sept. 26, a period in which florists buy many ferns and usually get in their azaleas, bulbs, etc.,

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼-oz., 75c; ½-oz., \$1.50; ¾-oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeffora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.80	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.80	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

closed to the Canadian florist, and florists in the States who do not know of this law send their stock cut in good faith only to have it returned. H. Philpott, Pres. of the C. H. S. has taken the matter up with the express agents here and will do so with the Collector of Customs at Montreal and try for a more liberal interpretation of the law, so as not to include greenhouse plants, but only nursery stock, for which the law is undoubtedly framed, similar to the one now in force in the United States. Until that is done all shipments of plants, of any kind, into Canada must be suspended until Sept. 26.

Convention Special.

There seems more enthusiasm than usual over the coming S. A. F. Convention at Rochester. The special train over the Lake Shore and Mich. Southern will leave the La Salle St. station at 5.30 P. M. August 15. Tickets \$21.48 on the certificate plan. Apparently the number going from here will be a large one.

Vacation Notes.

Charlotte Paradise, bookkeeper for Vaughan & Sperry, has gone to South Haven, Mich., for two weeks.—Lloyd Vaughan of Vaughan & Sperry, is taking a much needed rest with his family at Minoque, Wisconsin. Mr. Sperry says that the July sales average up better than last year notwithstanding the scarcity of first-class stock.—Mrs. Horton, book-keeper for Bassett & Washburn, and her son are taking a lake trip.—C. L. Washburn of Bassett & Washburn, expects to take his vacation at the Rochester convention.—Chas. A. Schnell has returned from a trip to Detroit and gone to Minneapolis.—Miss Wittingham of Mangel's is spending two weeks at Toronto, and Tony Rocco will leave as soon as she returns.

Miscellaneous.

The Horticultural Society of Chicago held a meeting in the Fine Arts Building, Tuesday, P. M., July 19, too late to be reported in this issue. Its object was the election of a president to fill the vacancy caused by the death of W. C. Kelley.

Frank Oechslein's new automobile is

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

not so easily managed as his plants, and last week insisted upon trying to dispute the right of way with the cement curb, with disastrous results. No one was injured, fortunately.

One of the pretty spots in the city is the 20 acres in connection with The Bridewell on Blue Island Ave. It has a lagoon with fountain in the center and well kept lawns and flower beds surrounding it. The prisoners do the most of the work and the beauty of the spot attracts many visitors.

Personal.

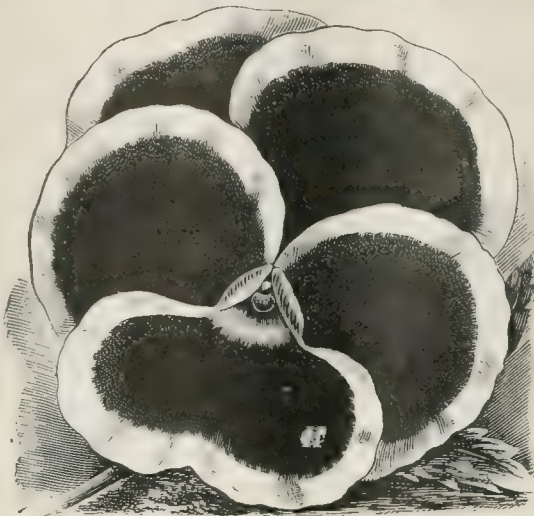
Miss Margaret, daughter of W. L. Palinsky, retail florist on Palmer Ave., was married July 15th to Allen G. Meade. The wedding was a large one

and the decorations befitting the occasion. It is not every day that a florist has a wedding in his own family and he takes pride in doing things right.

Word has been received of the death of Mrs. Jacob Russler of the extreme south part of the city, but no particulars are obtainable at this writing. Mrs. Russler has been in the florist business many years and she was well known in the market.

Visitors.—C. Cramer and son C. E. Cramer, Salt Lake City, Utah; Mr. Gilbert, Oregon, Ill.; Gus. Frederickson, St. Joseph, Mich.; Alex. Newitt, St. Joseph, Mo.; J. S. Bitler, Kokomo, Ind.; H. F. Greve, Dallas, Tex.; Chas. W. Scott, New York City; J. W. Seitz, Butte, Montana.

PANSY SEED — Michell's Giant Exhibition Mixture



A Giant Strain which we have procured from the leading Pansy specialists in England, Germany and France, and for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade packet, 50c.; 75c. per 1/2 oz.; per ounce, \$5.00.

GIANT PRIZE	Trade pkt.	Oz.	GIANT PRIZE	Trade pkt.	Oz.
Azure Blue.....	40c	\$1.50	Snow Queen, pure		
Black Blue.....	40c	1.50	white	40c	1.50
Emperor William....	40c	1.50	White with Eye.....	40c	1.50
Hortensia Red.....	40c	2.00	Pure Yellow.....	40c	1.50
Lord Beaconsfield....	40c	1.50	Yellow with Eye.....	40c	1.50

MICHELL'S GIANT STRAIN. Our Giant Prize Pansies are not to be compared with the ordinary Giant Trimardeau; the seed we offer will produce flowers of much heavier texture.

Our Wholesale Summer Catalogue of Seeds, Bulbs and Supplies, free upon request.

HENRY F. MICHELL CO.
518-1018 Market St., Philadelphia

Seed Trade

Charles H. Breck sailed for Europe on the Saxonia, from Boston, July 19.

Howard M. Earl left Philadelphia on the 14th for an inspection tour among the seed crops in Michigan, and at other points. Burnet Landreth is also off on an inspection tour at present.

Dallas, Tex.—The Texas Seed & Floral Co., R. Nicholson president, has been reorganized with a capital stock of \$125,000 instead of \$100,000 as recently stated. They will erect an 85 x 175-foot building, three stories and basement, construction to begin in September.

INCORPORATED.

Newark, N. J.—The Greenhouse Construction Co., capital stock \$125,000. Incorporators, H. A. Froham and others.

Memphis, Tenn.—Idlewild Greenhouse Co., capital stock \$20,000. Incorporators, C. W. Schwill, T. G. Owen and others.

Bloomington, Ill.—The Bloomington Nursery Co., capital stock \$200,000. Sidney Tuttle, president, and W. E. Rossney, secretary.

Lewiston, Idaho.—The Lewiston Valley Nursery Co., capital stock, \$10,000. Incorporators, E. E. Eastwood, J. C. Whipple and others.

Evanson, Ill.—The Frank Kadlec Nursery Co., capital stock \$50,000. Frank Kadlec, Harry T. Kadlec and Herbert Cordt incorporators.

Lockport, N. Y.—Niagara Mushroom & Spawn Co., capital stock \$6,000. Incorporators, Clay W. Parsons, Charles H. Papworth, E. Clarence Papworth and others.

Ridgewood, N. J.—Weeber & Don, incorporated to deal in seeds, bulbs, etc. Capital stock \$100,000. Incorporators, Alex. L. Don, Emma C. Don, etc., all of Ridgewood.

We understand that commencing next November, "Country Life in America" will be published semi-monthly.

INFECTED NURSERY STOCK IN BRITISH COLUMBIA.

Consul-General George N. West, of Vancouver, furnishes the following particulars of a large amount of imported nursery plants destroyed by fire in British Columbia, under the direction of the provincial inspector of fruits and orchards:

The trees destroyed came from Japan, Germany, Holland, Belgium, France, the United Kingdom, and from the United States, and consisted of some 30,000 trees and plants infected with San Jose scales, borers, root gall, apple-tree anthracnose, pear blight, and all the other various fruit-tree diseases known. The trees included apple, pear, quince, peach, apricot, crab, nectarine, small fruit, and ornamental shrubs. The inspector stated that there was enough infection destroyed in this lot to have infected the whole of British Columbia.

Not only is the imported nursery stock inspected, but all the nurseries throughout the Province. No company or individual is permitted to distribute trees until they have passed inspection by competent inspectors. The same rule is followed regarding the sale of fruit, and there is not a package of infected fruit sold in British Columbia today. All is carefully inspected, and if found to be diseased is condemned and cremated or sent back to the country from which it was shipped. This rule is applied as strictly to eastern Canadian grown fruit as it is to fruit grown in the United States. The policy of the department is to maintain absolutely clean orchards and clean, wholesome fruit, with a maximum of profit to the grower. Importations this year have been unusually large.

Nurserymen sending stock into British Columbia that is at all infected stand to lose, because they have to bear the loss when it is destroyed. Praise was given to the nursery stock and fruit imported from Utah. It is to the interest of growers of nursery stock in the United States to take particular care to see that any stock sold to be used in the Province of British Columbia is perfectly clean in every re-

spect, and shippers of fruit should also be sure that the fruit and packages are entirely free from parasites; otherwise it will be condemned and not allowed to be used in the Province.

BIG MONEY IN APPLES.

Pomona Ranch, Dayton, Wash., owned by J. L. Dumas, former president of the Washington Horticultural Society, was sold July 3 to Dr. C. F. Schiltz, of Wenatchee, and L. M. Vannice and E. S. Hubbard of Dayton, for \$150,000. This is the largest sale of bearing orchard ever made in the Northwest. Of 240 acres in the ranch, 100 is bearing orchard, 30 acres young orchard, and 70 more will be planted at once. This year's crop, estimated at 75,000 boxes, goes to the purchasers. Dumas originally invested \$3050 in 140 acres and returns from his young orchard enabled him to buy 100 acres more later. Returns from the orchard in the last three years exceeded \$100,000. The orchard has an international reputation.

A joint ownership plan will be followed in operating the big farm. C. L. Dornberger will be foreman. Two of the buyers are pioneer wheat farmers of Dayton.

CATALOGUES RECEIVED.

Wilfrid Wheeler, Concord, Mass.—Midsummer and Fall List of Pot-Grown Strawberry Plants.

J. M. Thorburn & Co., New York.—Wholesale Trade Price-List of High-Class Bulbs for forcing and for outdoor planting.

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head 20c. \$1.00
10,000 and over, 85cts. per 1,000

CELERY—White Plume,
Golden Self Blanching, Giant
Pascal, Golden Heart and
Boston Market 20c. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS
FLOWER SEEDS Get Our Prices

79 and 81
E. KINZIE STREET, CHICAGO

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of 3½ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures. 2000 seeds 50c., 5000 seeds \$1.00, ¼ ounce \$1.25, ounce \$5.00, pound \$50.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades. Trade pkt. 25c., any five \$1.00, 12 pkts., one of each variety, \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 seeds of Rainbow free, and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN
ROCHESTER, - N. Y.

DUTCH BULBS

We forward free to destination, collections of Bulbs as grown here from \$5.00 to \$25.00. Terms—Cash with order. Write for collection and you can see what we send.

Apply to

The Dutch Bulb and Seed Growers Co.
Haarlem (Holland)

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinesis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

ESTABLISHED 1820

Thorburn's Bulbs

Trade Bulb Catalogue now ready.

COLD STORAGE LILY OF THE VALLEY PIPS.

French Grown Pansy Seed
at reduced prices

	Per oz.
Snow Queen.....	\$.75
Orchid flowered.....	1.00
Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.50
Peacock.....	.60
Bugnot.....	1.50
Yellow Trimardeau.....	.75
White Trimardeau.....	.75
Thorburn Superb Mixed.....	4.00

J. M. THORNBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

CHEER UP!

French Bulbs will soon be in. Bremond's stock. The very best produced.



Not How Cheap
But How Good

Write for prices on
Horseshoe Brand.

RALPH M. WARD & CO.
12 West Broadway
NEW YORK

CINERARIA

Hyb'd Large Flowering

Trade Pkt. \$1.00

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'kt. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.



SEASONABLE
SEEDS
FOR THE
FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

CATALOGUE Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW
178 Washington St, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Detroit.—A feeling of joy and relief pervades this district. In the first place a few heavy showers have put new life into plants and saved a great deal of out-door stuff. Secondly, Elks' week, with its many demands and still more disappointments, is a thing of the past. While some florists had all their decorative plants in use and were busy day and night trimming floats, the great majority of the work was done by outsiders who travel with a stock of bunting and flags from city to city cutting prices down to a ridiculous level. Prevailing hot weather did not permit the use of fresh flowers on floats and autos and there was only one float, which had over one thousand

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London... July 23

Cunard.

Carnatia, N. Y.-Liverpool... July 23

Campania, N. Y.-Liverpool... July 27

Ivernia, Boston-Liverpool... Aug. 2

French.

La Savoye, N. Y.-Havre... July 28

Hamburg American.

Cleveland, N. Y.-Hamburg... July 23

K. A. Victoria, N. Y.-Hamb'g July 30

Holland-America.

Noordam, N. Y.-Rotterdam... Aug. 2

Leyland.

Canadian, Boston-Liverpool... July 27

North German Lloyd.

K. Wilhelm, N. Y.-Bremen... July 26

F. der Grosse, N. Y.-Bremen... July 28

K. Albert, N. Y.-Medit'n... July 30

K. Wilhelm II, N. Y.-Bremen... Aug. 2

Red Star.

Kroonland, N. Y.-Antwerp... July 23

Finland, N. Y.-Antwerp... July 30

White Star.

Canopic, Boston-Medit'n... July 23

Cedric, N. Y.-Liverpool... July 23

Zeeland, Boston-Liverpool... July 26

Adriatic, N. Y.-Southampton... July 27

Arabic, N. Y.-Liverpool... July 30

and natural Beauties. Every float and auto trimmed by Breitmeyers won a prize, most of them first prizes.

Fort Wayne, Ind.—Misses Mildred and Ruth Flick will be associated in business with the Flick Floral Co., the flower store conducted by Miss C. B. Flick on West Berry street. Miss Mildred Flick has been an assistant in the store for six years and Miss Ruth is now assuming part charge of the work.

Rockville, Conn.—The stock and store fixtures of J. McKenzie in Exchange Block have been purchased by Theo. Standt.

Cincinnati, Ohio.—Hauck Bros. have purchased the store of Wm. Meyers on Central avenue.

Conneaut, Ohio.—The Misses Evans have purchased the flower store of H. G. Gray.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2 Night 44-3.

LEADING FLORIST,
GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. June weddings and graduations are over and for a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All year in Stock

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ST. LOUIS NOTES.

Mr. and Mrs. John Connon are spending their summer with friends in Penetang, Canada. Brother Charles is now in charge of the business.

Clarence Peterson, son of J. A. Peterson of Cincinnati, is in St. Louis this week, introducing to the local growers their new Begonia Glory of Cincinnati.

Vincent Gorley, R. J. Windler and W. C. Smith all had a good time with the Elks at Detroit last week. Mayor Phil. Breitmeyer opened the town wide open for them.

At a stockholders' meeting of the C. Young & Sons Co. the following officers were elected to serve one year: James Young, president; Harry Young, vice-president; W. C. Young, secretary and general manager; Charles Young, treasurer.

Visitors—B. Eschner, representing M. Rice & Co., Philadelphia; J. H. McPherson, Litchfield, Ill.

CINCINNATI PERSONAL AND TRADE NOTES.

Mrs. Jno. Fries is spending a week at Martinsville, Ind.

Miss Bossmeyer, bookkeeper for C. E. Critchell, is on her vacation.

Mrs. P. J. Olinger left for Chicago to spend the summer with relatives.

Wm. Meyer, located at 1325 Central avenue, has sold his store to Hauck Bros.

R. D. Rutlee, of Covington, Ky., attended the Elk's Convention at Detroit last week.

J. W. Rodgers has sold his greenhouses located on West Price Hill to W. H. Reutenschroer.

Mr. Ray Murphy and Miss Florence Lauber stole a march on their friends and were quietly married, July 5.

Alfred Murphy held a glazing party this week; all visitors to his establishment were put to work glazing that new 250 ft. house.

J. A. Peterson will exhibit his new Begonia Glory of Cincinnati at the S. A. F. convention in Rochester, also a fine line of new dracenas.

The R. A. Kelly Co. have moved from temporary quarters back to their old stand, 110 East Fourth street, which has been remodeled, and now have one of the finest stores on East Fourth street.

Visitors: Arthur S. Cary, Dayton, O.; S. R. Lundy with W. A. Manda, Orange, N. J.; Ben. Eschner of M. Rice & Co., Philadelphia, Pa.

WASHINGTON NOTES.

W. W. Kimmel will move into his new store and residence above by August 1st.

Within the past week practically all of the florists have put in their aquatic windows, which has caused the water-lily business to pick up a little.

The Baltimore florists and their wives have been invited to accompany the Washington florists on their annual basket picnic to the Great Falls, July 26th. Special cars leave 36th and M streets at 2 p. m.

On July 28th the Washington florists are to meet the Baltimore men at Light Street Wharf en route for Berlin, Md., where they will be the guests of J. G. Harrison, to inspect his extensive nurseries. They will be the guests of Mr. Harrison at lunch and supper, thence to Ocean City, Md., returning home July 29.

The first committee meeting for the Annual Fall Flower Show was held at Gude's store on July 11th. The committee, which consists of John Robertson, Wm. F. Gude, Geo. Cooke, Jas.

L. Carbery and O. A. C. Oehmler, decided to hold the show at Convention Hall, the week of Nov. 7th to 13th inclusive in connection with the Householders' Exhibit. That exhibit starts one week earlier and runs through the week of the flower show each occupying one half of the hall. The idea of combining the two exhibits is rather unique but seems to be viewed in a favorable light by the business men of the city.

PERSONAL.

A. T. Riley is now employed as sales manager for the George M. Garland Co., Des Plaines, Ill.

Rudolph Roehrs has left Kew Garden and is now at Boskoop, Holland, acquiring wisdom on the European nursery trade.

Ernest Fisher has accepted a position with George L. Huscroft of Steubenville, Ohio. He was formerly manager for the South View Floral Co., Pittsburgh, Pa.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMullin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,

Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 913 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toledo, Ohio—George A. Helol.

Toronto, Can.—J. H. Dunlop, 96 Young St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

ASTERS ALL COLORS

\$1.50 - \$2.00 per 100

ROSE PLANTS

400 Pink Killarney, 3 inch pots . . . \$7.00 per 100
 Maryland, 1 year old plants, . . . 8.00 per 100
 White Killarney, 1 year old plants . . . 18.00 per 100
 Ivory 3 inch pots }
 Gates 3 inch pots } . . . \$6.00 per 100 - \$50.00 per 1000

LEO NIESSEN CO.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES**EDWARDS FOLDING BOX CO**MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley. Roses and all Cut Flowers**PETER REINBERG****WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Merton Grove, Ill.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.**Rice Brothers**115 N 6th Street, MINNEAPOLIS, MINN
WHOLESALE FLORISTS and SUPPLIESCUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities**WELCH BROS.**AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	July 19		July 19		July 19		July 21	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
" Extra.....	15.00	to 20.00	15.00	to 20.00	15.50	to 17.00	10.00	to 15.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 12.00	6.00	to 8.00
" Lower grades.....	3.00	to 5.00	4.00	to 10.00	5.00	to 6.00	1.00	to 3.00
Bride, 'Maid, Chatenay, F. & S....	4.00	to 6.00	4.00	to 6.00	5.00	to 8.00	2.00	to 4.00
" Lower grades.....	3.00	to 4.00	2.00	to 4.00	3.00	to .....	.50	to 1.00
Killarney, My Maryland, Fan, & Sp.	3.00	to 8.00	6.00	to 10.00	8.00	to 10.00	3.00	to 5.00
" Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00	.50	to 1.00
Richmond, Fancy & Special.....	5.00	to 8.00	6.00	to 8.00	6.00	to 10.00	2.00	to 5.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 5.00	.50	to 1.00
Kaiserin, Carnot, Fancy and Sp....	4.00	to 6.00	8.00	to 10.00	5.00	to 8.00	4.00	to 6.00
" Lower Grades...	3.00	to 4.00	6.00	to 8.00	3.00	to .....	.50	to 2.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	1.00	to 2.00	1.00	to 2.00	1.00	to .....	.50	to .75
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	50.00	to 60.00	50.00	to	25.00	to 35.00
Lilies.....	8.00	to 10.00	10.00	to 12.50	10.00	to	4.00	to 6.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	1.00	to 3.00
Stocks.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Daisies.....	1.00	to 1.50	.75	to 1.25	1.00	to .....	.25	to .50
Snappedragon.....	.....	to .....	.....	to .....	.50	to .75	1.00	to 2.00
Gladioli.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Sweet Peas.....	.35	to 1.00	.75	to 1.25	.50	to .75	.10	to .75
Gardenias.....	.....	to	20.00	to 30.00	6.00	to 12.00	4.00	to 8.00
Adiantum.....	.....	to 1.00	.75	to 1.25	1.00	to 15.00	1.00	to 1.25
Smilax.....	.....	to 18.00	12.00	to 15.00	20.00	to	10.00	to 12.00
Asparagus Plumosus, strings (100)	60.00	to 75.00	45.00	to 60.00	50.00	to .....	.....	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 40.00	25.00	to 35.00	50.00	to .....	.....	to 30.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens, Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,15 PROVINCE STREET,
9 CHAPMAN PLACE,**BOSTON, MASS.****HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK**

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers

Roses and Carnations Our Specialty**Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
ROSE PINK ENCHANTRESS	7.00	60.00
WANOKA	6.00	50.00
MAY DAY	7.00	60.00
ENCHANTRESS	7.00	60.00
WHITE ENCHANTRESS	7.00	60.00
WHITE PERFECTION	7.00	60.00
SNOW FLAKE	6.00	50.00
GEORGIA	6.00	50.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
BEACON	7.00	60.00
O. P. BASSETT	6.00	50.00
BOSTON MARKET	5.00	50.00
WHITE LAWSON	5.00	50.00
BOUNTIFUL	6.00	60.00
VICTORY	6.00	60.00
M. A. PATTEN	6.00	60.00
HARLOWARDEN	5.00	50.00
YELLOW BEAUTY	6.00	60.00

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

**1608-20 Ludlow Street,
PHILADELPHIA, PA.**

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

BOSTON The market is still very quiet and very little activity is discerned on any side. The sea-side shipping demand has just made a beginning, but thus far it is infinitesimal in volume. While some items have shortened up, there is still a surplus of material in evidence. Quality is low, so far as roses are concerned. A few fairly presentable Beauties are available from day to day and, of course, some fat and juicy Kaiserins and Carnots. As to the balance, the less we say the better. Carnations have almost disappeared from the supply, as they surely have from the demand. Lilies are not overstocked, but there is little call for them and they move sluggishly. The same is true of lily of the valley. Sweet peas have felt the benefit of the cool nights of late and are of better quality, although in shortened crop. A few asters are coming in, very fair flowers for the season but short stemmed, and the outlook for good asters and gladioli in the near future is excellent.

BUFFALO Hot weather with very little business is the report for the past two weeks. In the line of roses, Bridesmaids, Brides and Killarney are of poor quality as well as Richmonds and Maryland, both of which are full blown when shipments are received at wholesale markets. The demand is limited to Kaiserin and Carnot, which are of really good quality. Giganteum lilies have been plentiful with no demand. Carnations are also in heavy

		PER 100. TO DEALERS ONLY.			
		CINCINNATI July 19	DETROIT July 19	BUFFALO July 19	PITTSBURG July 19
ROSES					
Am. Beauty, Fan. and Sp.....	..... to 20.00	18.00 to 22.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra .....	..... to 10.00	15.00 to 18.00	12.00 to 15.00	12.50 to 15.00	12.50 to 15.00
“ No. 1 .....	..... to 5.00	10.00 to 15.00	7.00 to 10.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades .....	..... to	4.00 to 8.00	2.00 to 4.00	..... to 4.00	..... to 4.00
Bride, “Maid, Chateaux, F. & S.....	4.00 to 6.00	5.00 to 7.00	5.00 to 6.00	10.00 to .....	.....
“ Low. gr.....	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Sp.....	4.00 to 6.00	5.00 to 7.00	5.00 to 6.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00
Richmond, Fancy & Special.....	4.00 to 6.00	5.00 to 7.00	5.00 to 6.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00
Kaiserin, Carnot, Fancy and Sp.....	4.00 to 6.00	5.00 to 7.00	5.00 to 7.00	8.00 to 10.00	8.00 to 10.00
“ “ Lower Grades....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00
CARNATIONS, Novelties and Fancy					
“ Ordinary .....	..... to 1.00	1.50 to 2.50	1.00 to 2.00	..... to .....	..... to
“ .....	..... to .50	1.00 to 2.00	.75 to 1.00	..... to 1.00	..... to 1.00
MISCELLANEOUS					
Cattleyas .....	..... to .....	..... to .....	..... to .....	..... to	75.00 to
Lilies	6.00 to 10.00	12.50 to 15.00	8.00 to 12.00	6.00 to 8.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Stocks .....	..... to 2.00	2.00 to 3.00	2.00 to 3.00	..... to .....	..... to
Daisies .....	..... to .....	.50 to .75	.50 to 1.00	..... to 1.00	..... to 1.00
Snapdragon	3.00 to 4.00	2.00 to 3.00	1.00 to 2.00	..... to 4.00	..... to 4.00
Gladioli	3.00 to 4.00	..... to	3.00 to 4.00	..... to .....	..... to
Sweet Peas .....	.25 to .35	.50 to .75	.20 to .50	.25 to .50	.25 to .50
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to	15.00 to	12.50 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	40.00 to 50.00	20.00 to 40.00	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00
“ “ & Spren. (100 bchs.)	..... to 25.00	20.00 to 40.00	25.00 to 50.00	..... to 25.00	..... to 25.00

supply but of poor quality. Sweet peas are plentiful and sell well at times.

CHICAGO The third week in July finds the supply rapidly shortening up. This is felt along all lines, and it is well that the demand is light. Those who are handling carnations that can be considered at all good attribute it to the fact that the plants have been carefully disbudded and shaded and a liberal amount of fertilizer used. Those who have not done this are

without good carnations as the extreme heat has practically put them out of the market. Roses are getting smaller, and fewer are cut each day. Some unusually fine Harrisii lilies were seen this week and were bringing a fair price for the season. Some out-of-door stock is coming in and its presence is welcome at this time. Peonies are coming out of cold storage in poor shape and giving many florists an excellent opportunity to say “I told you so.” Vacations are the only topics

(Reports continued on page 119.)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463
Greater New York
Florists' Association,
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York
J. K. ALLEN
Wholesale Florist
Established 1887. Open 3 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York City
Open from 5 a. m. to 6 p. m. Sun-
day till 10 a. m. **CUT FLOWERS**
Tel. 5243 Madison Sq.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 16 1910		First Half of Week beginning July 18 1910	
American Beauty, Fancy and Special.....	6.00	to 25.00	10.00	to 25.00
" " Extra.....	6.00	to 8.00	8.00	to 10.00
" " No. 1.....	3.00	to 4.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 3.00
Bride, 'Hald, Golden Gate, Fancy and Special.....	2.00	to 5.00	3.00	to 4.00
" " Lower Grades.....	1.00	to 1.00	.75	to 2.00
Killarney, Maryland, Fancy and Special.....	2.00	to 5.00	3.00	to 6.00
" " Lower Grades.....	1.00	to 1.00	1.00	to 2.00
Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	1.00	to 1.00	1.00	to 1.50
Kaiserlin, Carnot, Fancy and Special.....	2.00	to 5.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	1.00	to 3.00
Carnations, Fancy and Novelties.....	1.00	to 1.50	1.50	to 2.00
" Ordinary.....	.....	to .75	.....	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
5893

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Flower Market Reports

(Continued from page 117)

that arouse very much interest, the condition of the market and the quality of the stock having lost out as topics of interest.

Stock of nearly all CINCINNATI kinds has shortened up considerably. Business last week was very quiet and the let-up in supply was hardly noticed. Monday of this week business assumed a different tone and the demand cleaned up everything available in the cut flower line. The supply of Beauties has decreased, also the quality, although good stock is obtainable if the buyer is willing to pay the price. Other roses are still small, short-stemmed and have not begun their advance. The receipts of carnations are much less than a week ago, for at last the growers are throwing out and replanting, the result being an improvement in the average price of carnations. Asters are coming in slowly, and such as are good meet with a ready sale at fair prices. Sweet peas and Shasta daisies are done for the season. Longiflorum, auratum and speciosum lilies are in fair supply and selling steadily. Gladioli are coming in more plentiful and are cleaned up nicely every day.

There has been a very considerable falling off in the supply of all indoor varieties of flowers in the past week, but no increase in demand. Most of the growers of tea roses have thrown out their plants and consequently there are few small roses in the market. American Beauties, however, are quite plentiful and the price is by no means steady. There are fewer lilies in the market with quotations much higher this week, which is surely a great improvement. The asters thus far as a rule are very poor in quality. Gladioli are to be had in greater quantity and they promise to be very abundant all through the season.

The market here last week was about as usual for mid-July. Asters were more plentiful and the quality is steadily improving. Gladioli are now strong features and seem to be moving off more briskly than in some years. They came in by the wagon load on Saturday, but by smart hustling on the part of the wholesalers, most of them were moved out by closing time. The flowers of these are extra good at present. Other good hot weather stock, such as Easter lilies, was in demand mainly on account of substance and keeping qualities. The rose market is in pretty fair shape—not quite as many and of the usual summer quality. Carnations are running down hill. A good many carnation growers have stopped shipping as they find that results hardly pay for the care and watering. Sweet peas are plentiful but are suffering severely now from the hot weather. Orchids are all right—not over plentiful, but enough for the demand. What few gardenias are arriving are moving half-heartedly. Good water lilies in the fancy colors and forms are to be had at reasonable prices.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 16 1910		First Half of Week beginning July 18 1910	
Cattleyas.....	40.00	to 50.00	40.00	to 60.00
Lilies.....	2.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Stocks.....	.....	to 1.00	.....	to 1.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs).....	10.00	to 15.00	10.00	to 15.00

PHILADELPHIA NOTES.

Edward A. Stroud, sister and friends, are summering at Belmar, N. J., where they have a cottage rented for the season. Mr. Stroud is still an enthusiast on carnations and has added a new hobby at his Overbrook place:—the laying out of old English gardens.

Jacob Becker, having closed the deal for the sale of his real estate at 49th and Chestnut streets, is now busy moving his greenhouse plant back to part of his old lot at 52nd and Market streets. It is understood that he will discontinue pot-grown roses for spring trade, and confine himself mostly to foliage and flowering plants for Christmas and Easter.

Edward Campbell, Ardmore, has sold his place on Locust avenue and moved his residence to Cricket avenue. His new office and grounds are on Montgomery avenue near the entrance of the Merion Cricket Club at Haverford Station. This gives a more central location and facilitates the business in the landscape architect line in which Mr. Campbell is a specialist.

The S. S. Pennock-Meehan Co., wholesale commission florists, will open a branch establishment in N. Y. City, early in September at 109 West 28th street. The new venture will be under the personal supervision of Percy B. Rigby, the treasurer of the company. With establishments in three big cities of the East: Philadelphia, Washington and New York, this should give that enterprising firm a still more commanding hold on the business, and make for more efficient service all round.

Visitors: W. W. Chisholm, Anderson Floral Co., Anderson, S. C.; Mr. and Mrs. Jno. Speiss, Buffalo, N. Y.; Daniel Gorman, Wilkesbarre, Pa.; Antoine Leuthy, Roslindale, Mass.; Chas. B. Hann, T. W. Wood & Sons, Richmond, Va.; W. A. Manda, South Orange, N. J.; Carl Peterson and family, East Liverpool, O.

NEWS NOTES.

Cincinnati, Ohio.—W. H. Ruten-schroer has purchased the greenhouse plant of J. W. Rodgers.

Louisville, Ky.—George Thompson has sold to C. B. Nelson a five-acre tract of land on Taylorsville road, with greenhouses, etc.

Athens, Pa.—Mrs. Martha Kline has sold four acres of land to C. L. Schmidt, who intends to erect several greenhouses and start a nursery.

Savanna, Ill.—It is the intention of J. Y. Lambert & Son of Savanna Greenhouses to include the growing of vegetables for the wholesale trade in their business.

Keene, N. H.—Ellis Bros. & Co., florists, are rebuilding one of their houses and enlarging their plant in other ways. A store house and shed are being erected.

Wappingers Falls, N. Y.—The offices and business of Glen Bros. of Rochester, N. Y., will be moved to this place, as they have acquired 64 acres of land near Wappingers cemetery.

Dunkirk, N. Y.—The greenhouses, barn and wagon shed on the farm of Mrs. C. Schrantz were practically destroyed by fire recently. Loss between three and four thousand dollars.

St. Albans, Vt.—The florist business of Henry Bryant, Congress street, has been transferred to George Cook of S. Main street, who takes possession the last of July and will carry it on in connection with his own greenhouses.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus, Nanus.
For page see List of Advertisers.
Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.
Asparagus Sprengerii, extra strong, 3 and 3½ in. plants \$4.50 per 100. Plant now to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.
Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.
Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
K. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Lily Bulbs.
For page see List of Advertisers.
Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
For page see List of Advertisers.
H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
J. Soleillet, Toulon, France.
French Hyacinths, Narcissi and Freesias.
Dutch Bulb & Seed Growers Co., Haarlem, Holland.
Dutch Bulbs.
For page see List of Advertisers.

CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
S. S. Pennock-Meehan Co., Philadelphia, Pa.
Field-Grown.
For page see List of Advertisers.
CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
J. D. Thompson Carnation Co., Joliet, Ill.
For page see List of Advertisers.
Chrysanthemums Golden Glow, Pacific Supreme, White Cloud, Polly Rose, E. Snow, Pink and White Ivory, White and Yellow Bonaffon, Georgianna Pitcher, Golden Baby, etc.; R. C. \$1.25; 2½ inch, \$2.25 per 100. Poehlmann, Gloria, Baby Margaret, etc.; R. C. \$2.00; 2½ inch, \$2.75 per 100. Mrs. Kelley, Pres. Taft, Golden King; R. C. \$3.00; 2½ inch, \$4.00 per 100. List 60 varieties. Stafford Floral Co., Stafford Springs, Conn.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nona, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

OL. Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CLEMATIS

25,000 Clematis paniculata seedlings, all true to name; grew my own seeds, \$7.50 per 1000; 250 at thousand rates. Also Clematis paniculata out of 2-in. pots at \$2.00 per 100. Cash with order please. Samuel V. Smith, 3323 Goodman St., Phila., Pa.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen Persicum Giganteum. Large flowering, mixed colors, fine bushy plants, 4 inch, \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.
Herbert, Acto, N. J.
For page see List of Advertisers.
DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 124

DECORATIVE PLANTS—Continued

- Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

- A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oechslein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
Ferns in Flats.
For page see List of Advertisers.
- Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
- Hosea Waterer, Philadelphia, Pa.
Thompson's Vine, Plant and Vegetable Manure.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

- McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts., Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FLOWER POTS—Continued

- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

- A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
- Geraniums for fall delivery. Standard sorts, quality the best. Prices right. 2 in. pots. Place your order now. O. C. Day, Hudson, Mass.
- Geraniums, rooted cuttings of Riccard, Poltevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.
- Geraniums. Riccard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

- GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GLAZING PUTTY

- E. H. Hunt, Chicago, Ill.
"Elastic-Lyke"
For page see List of Advertisers.

GOLD FISH

- Gold Fish and Fish Food For Sale. Paradise Fish; these fish are very interesting; they build their nests on top of the water. Very brilliant colors. Also Combomba and Sagittaria plants for the aquarium. Write for prices. Samuel V. Smith, 3323 Goodman St., Phila., Pa.

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co., 1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL—Continued

- A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertiser.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moulner Co., 117 East Blackhawk St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.
- King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange, 23 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co., 1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- Hydrangea arborescens grandiflora alba. We have the largest stock of strong 2 and 3-year-old plants in America at attractive prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Paethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.

- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LILY OF THE VALLEY PIPS

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEIN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PEAT

- C. W. Brownell Co., Walden, N. Y.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.

ORCHID PLANTS—Continued

- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 100.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1135 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

- John Gerard, New Britain, Conn.
Giant Pansy Seed.
- A. T. Biddington, N. Y.
Giant Pansy Seed.
For page see List of Advertisers.
- Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.
For page see List of Advertisers.
- Henry F. Michell Co., Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York.
French Grown.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

- Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

Poinsettia, 10,000 strong 2½ inch plants,
\$5.00 per 100; \$45.00 per 1000. Cash please.
Keller Floral Co., Troy Rd., Albany, N. Y.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- GOOD PLANT STOCK FOR SALE:
5000 American Beauties @ 12 cents; 2000
Maids @ 6 cents; 300 Gardenia (extra
fine) @ 25 cents. All in 4 inch pots.
Also 10 second hand 4 inch hot water
valves @ \$2.50 each.
Brant-Hentz Flower Co., Madison, N. J.
- The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
- Hand Book of Cultural Notes on Roses
Under Glass, by E. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

For List of Advertisers See Page 124

SEEDS — Continued

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Pansy Seed.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

H. F. Mitchell Co., 1018 Market St., Phila.
Pansy Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Primula Seed.
For page see List of Advertisers.

H. E. Flske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
Cineraria Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

John C. Meyer & Co., Boston, Mass.

SMILAX

A. N. Pierson, Inc., Cromwell, Conn.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SPHAGNUM MOSS

C. W. Brownell Co., Walden, N. Y.

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.
Pot Grown.
For page see List of Advertisers.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.
For page see List of Advertisers.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

B. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

Choice Celery plants grown from French
seed our own testing. "Giant Pascal" and
"Paris Golden" carefully packed for ship-
ping, 20c. per hundred, \$1.00 per thou-
sand and \$1.25 per thousand for ten
thousand or over. Cash with order.
Painsville Celery Co., Painsville, O.

A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
Jersey and Early Golden, \$1.25, 1000;
\$10.00, 10,000. H. Austin Co., Felton, Del.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1123
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellacher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

WHOLESALE FLORISTS —**New York — Continued**

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

Phillip F. Kessler, 55 & 57 W. 26th St., N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

New Offers in This Issue.**FRENCH BULBS.**

Ralph M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII; FERNS.

F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.

PANSY SEED.

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

SPECIAL OFFER OF IMPORTED ORCHIDS.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads in our Classified Columns
bring big returns to both advertiser
and purchaser.

Anything that can be sold to florists,
gardeners, park and cemetery superin-
tendents, etc., can be sold through this
medium in this department, and at
very small cost.

Don't fail to read them each issue, for
you will find one or more that will
prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

In writing to Advertisers kindly mention Horticulture

List of Advertisers

Page	Page
Advance The Co. 127	Kuebler, W. H. 118
Allen, J. K. 118	Lager & Hurrell. 98
Alpine Mfg. Co. 100	Langjahr, A. H. 118
Aschmann, G. 99	Lawrence, H. V. 114
Barrows & Son. 99	Leonard Seed Co. 113
Bayersdorfer, H. & Co. 113	Leuthy, A. & Co. 99
Beaven, E. A. 119	Lord & Burnham Co. 128
Bohobink & Atkins. 100	MacMullin, E. 114
Boddington, A. T. 111	Matthews 114
Boston Florist letter Co. 115	McCarthy, N. F. & Co. 119
Boston Plate & Window Glass Co. 127	McConnell, Alex. 114
Breck, J. & Sons. 113	McCray Refrigerator Co. 115
Breitmeyer's, J. Sons 114	McCullough's J. M. Sons Co. 116
Bridgeman's Seed Warehouse 113	McHutchison & Co. 98
"Buds" 113	McKellar, C. W. 116
Burpee, W. A. & Co. 113	McKissick, W. E. & Bros. 116
Buxton, Doane Co. 127	McManus, Jas. 118
Carrillo & Baldwin 98	Michell, H. F. Co. 112
Chicago Carnation Co. 99	Michigan Cut Flower Ex. 119
Clarke's, D. Sons. 114	Millang, Chas. 118
Cowee, W. J. 116	Millang, Chas. 118
Craig, Robt. Co. 100	Moninger, J. C. Co. 127
Crawbuck, G. W. 118	Moore, Hentz & Nash 118
D Birds 111	Murray, Samuel. 114
Dingee & Conard Co. 100	N. E. Nurseries. 100
Dorner & Sons Co. 99	Niessen, Leo Co. 116
Dow, Geo. E. 113	Oechslin, Frank. 99
Dreer H. A. 126	Ordenez Bros. 98
Dunlop, John H. 114	Ouwkerk, P. 100
Dutch Bulb & Seed Growers Co. 113	Paletrophe, P. R. Co. 125
Dysart, R. J. 119	Palmer, W. J. & Son 114
Eastern Chemical Co. 125	Park Floral Co. 114
Edwards Folding Box Co. 116	Parselsky Bros. 127
Ellwanger & Barry 111	Peacock Dahlia Farm 100
Elliott, W. Sons. 113	Pennock-Meehan Co. 117
Esler, J. G. 127	Perkins St. Nurseries 99
Ernest, W. H. 126	Peters & Reed Co. 126
Eyres 114	Pierce, F. O. 126
Farquhar, R. & J. & Co. 100	Pierson, F. R. 110
Fiske, H. E. Seed Co. 113	Pierson U-Bar Co. 128
Foley Mfg. Co. 127	Poehlmann Bros. 116
Ford, M. C. 118	Reed & Keller. 118
Freeman, G. L. Co. 98	Reinberg, Peter. 116
Froment, H. E. 118	Rice Bros. 116
Frost, Chas. 113	Rice, M. & Co. 98
Galvin, Thos. F. 115	Rickard Bros. 113
Gloeckner, Carl R. 113	Robinson, D. A. 124
Greiner, N. Y. Florists' Asso. 118	Robinson & Co. 116
Grey T. J. Co. 113	Rock Wm. L. 114
Gude Bros. Co. 114	Roehrs, Julius Roland, Thos. 99
Guttman, Alex. J. 118	Rolker, A. & Sons 126
Hail Association. 127	Rosens 116
Heacock, Jos. Co. 99	Sander & Son. 98
Heinl, Geo. A. 114	Schlegel & Fottler Co. 113
Herbert 100	Schultz, Jacob. 114
Hews, A. H. & Co. 126	Scott, John. 99
Hillinger Bros. 126	Sharp, Partridge Co. 127
Hill, The E. G. Co. 100	Sheridan, W. F. 118
Hitchings & Co. 128	Siggers & Siggers 127
Hoerber Bros. 116	Skidelsky & Irwin 113
Home Corresp. School 124	Smith, E. D. & Co. 99
Horan, E. C. 118	Smith, P. J. 118
Hunt, E. H. 125-126	Smith, W. & T. Co. 100
Jacobs, S. & Sons 127	Smyth, Wm. J. 114
Jager, Chas. J. Co. 125	Standard Plate Glass Co. 127
Kasting, W. F. Co. 118	Stearns, A. T. Lumber Co. 127
Kervan Co. 118	Stratford, Geo. Oakum Co. 125
Kessler, P. F. 118	Stunapp & Walter Co. 125
King Cons. Co. 127	Syracuse Pottery Co. 126
Krick, W. C. 118	Tailby 114
Kroeschell Bros. Co. 127	Thompson, J. D. 99

Page	Page
Thorburn, J. M. Welch Bros. 116	Ward, R. M. & Zinn, Julius A. 115
& Co. 113	Wants, For Sale. 124
Thurlow's, T. C. Frid 100	Zangen, O. V. 113
Sons, Inc. 100	Zvolanek, A. C. 113
Totty, Chas. H. 99	Wood Bros. 99
Valentine, J. A. 114	Yokohama Nurseries 100
Vicks, Jas. Sons. 113	Young & Nugent. 114
Vincent, R. Jr. & Sons. 99	112

NYMPHAEA BAUMII; NEW SPS.

This is a native of South West Africa, and a rare species, discovered at Minesera on the Longa in very shallow water, and likewise at the edge of a swamp near Longa. It was found associated with *Nymphaea sulfurea*, a yellow flowered species not yet introduced to Europe. *N. Baumii* was found in 1892 by H. Baum, curator of the Botanical Garden at Rostock. It is one of the smallest known typical *Nymphaeas*. The flowers are white, about one inch in diameter, and remain expanded for about seven hours during the day. The peduncle is from four inches to twelve inches in length, rose colored when young. The sepals are elliptical, pale yellow at the base and sides, the apex green, white within, rosy in the old flowers, and they are covered outside with fine violet stripes. The petals vary from 7 to 8 inches and are lanceolate and white. The outer ones green with violet stripes on the ventral surfaces. The fruit is round, differing in this respect from all other *nymphaeas* known to me.—Fr. Henkel, Darmstadt, in *Gardeners' Chronicle*, July 2, 1910

A LONG-DISTANCE SHIPMENT.

Ellwanger & Barry, Rochester, New York, have just received from Mukden, China, the following letter:

"The shipment that you consigned to me under date of February 15th arrived here on the 27th of May. Long delays were caused by the avalanches on the Pacific Coast and to a delay in trans-shipment at Kobe. In spite of these delays the stock arrived in excellent condition and at the present time fully two-thirds have developed strong buds and shoots."

It takes good stock and good packing to assure such satisfactory results.

THE HAIL ASSOCIATION IS A1.

Mr. Joseph Heacock, Wyncote, Penn.
Dear Sir:—Received check for \$1,923.76 for which please accept my thanks for prompt settlement of claim.

Yours truly,

F. KUECHENMEISTER,
Per B. Kuechenmeister.

Wichita, Kas., July 8, '10.

L. L. Barton, of the Millar Floral Company, Farmington, Utah, is in Boston this week and shows photographs of exterior and interior of a house 300 feet in length, 6 benches in width which has been erected and planted with Killarney roses, white and pink, this summer. Mr. Millar has worked hard on this proposition for a wholesale rose supply establishment in the vicinity of Salt Lake City and we congratulate him on the very practical shape in which he so soon shows up.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Bachelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED AT ONCE—Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of herbaceous perennial grounds. State particulars and send references. Address, Southworth Bros., Nurseries, Beverly, Mass.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Orchid man that had some experience in potting and taking care of same; young man preferred. Address with particulars to "Orchids," care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

SITUATIONS WANTED

GARDENER and superintendent, German, married, age 41; experienced in landscape, greenhouse, flower and vegetable gardening; also in all work connected with maintenance of large private place; good references. P. Wenzel, Greenwich, Conn.

GARDENER, married, no children; 24 years experience in mums, carnations, roses, fruits and vegetables; wishes position as gardener on estate or commercial. Address, Hustler, care HORTICULTURE.

SITUATION WANTED—Experience of over 30 years in horticultural and landscape gardening work. Age 50 years, married. Good references. Address, New Jersey, care HORTICULTURE.

FOR SALE

GREENHOUSE FOR SALE

With office, or to let; good will of business goes with it. Apply to

DAVID A. ROBINSON
Revere Beach Parkway, EVERETT, MASS.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

A FERTILIZER ANALYSIS.

Mr. M. A. Patten, of Tewksbury, Mass., having received samples of a new fertilizer for which large claims were advanced, informs us that he forwarded to the Massachusetts Agricultural Experiment Station a portion for analysis and in due time received the following communication, which we believe will be of general interest: "Patten & Co., Tewksbury, Mass.

Gentlemen:—Your favor of June 24th addressed to Professor George E. Stone, and in relation to the fertilizer manufactured by the New England Mineral Fertilizer Co., of Boston, has been referred to me for a reply.

The fertilizer put out under the name of the New England Mineral fertilizer has little value as a fertilizer. It contains no nitrogen whatever, only traces of phosphoric acid and an extremely small amount of potassium oxide. An analysis of this product made at this laboratory, reveals the fact that the commercial value of this product as figured by the table of trade value of fertilizing ingredients for the season of 1910, is 18 cents per ton.

Most of the plant food which the material contains is in an insoluble and unavailable form. The New England farmer cannot afford to pay his money for products of this character. I will have a few tests made on the sample which you send and will write you further when the analysis is finished.

Very truly yours,

H. D. HASKINS."

Amherst, Mass., June 30, 1910.

THE FERTILIZATION OF APPLE ORCHARDS.

Probably the largest and most comprehensive series of experiments on apple production anywhere is now in its fourth year of operation in Pennsylvania under the management of the Agricultural Experiment Station, at State College. These experiments are located in twelve parts of the state, involve thirteen varieties, ten soil types, and cover a total of ninety-one acres. Four leading questions on apple yield and quality are being studied, viz., the influence of fertilizers, of cultural methods, of cover crops, and of heredity (as indicated by selection from superior individuals).

A progress report on the first two influences has been just issued by the Station as Bulletin 100, which may be obtained on application to the Director of the Experiment Station, State College, Pa., or to Professor J. P. Stewart, who has charge of the work. The report gives data from ten experiments covering forty-nine acres and containing 2219 trees in partial or full bearing. These data show net increases from fertilization varying from nothing up to \$267 per acre. The report further indicates something of the conditions under which success or failure may be expected or methods whereby it may be determined.

In the detailed results, nitrogen has proved most useful in increasing the yield as well as in improving growth and foliage. Its use is generally accompanied by considerable reduction in color, doubtless largely due to delayed maturity.

Along with the nitrogen, it is also well to supply phosphoric acid and pot-

Strokum Stops Third Crop of Caterpillars

Bind it around your trees at once. The third crop of caterpillars is one of the worst, and not only injures the trees, but the caterpillars spin their cocoons for next year's destruction. Killing them this year means thousands less next year.

Strokum is easily put on, does not harm trees; is not unsightly, and is easily removed at the end of the season.

Send \$1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it. Send for booklet.



George Stratford Oakum Co.

164 Cornelison Avenue, JERSEY CITY, N. J.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

Imp Soap Spray

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only Spray Not Poisonous to Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.

Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.
CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON



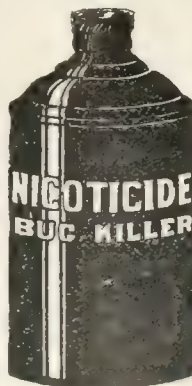
ash. On the other hand, neither lime nor "floats," when applied alone, have thus far shown any marked beneficial effects.

While it is practically impossible to make any general fertilizer recommendation that will suit all conditions, yet from the present data any fertilizer carrying 30 pounds of actual nitrogen, 60-75 pounds of actual phosphoric acid (P2O5), and 50 pounds of actual potash (K2O) to the acre should prove satis-

KILMDEAD
The best of all the tobacco dusts for
Dusting or Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Swamp & Walter Co. 50 Barclay St., New York.



The Best Bug Killer and Bloom Saver

For PROOF Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

In ordering goods please add "I saw it in HORTICULTURE."

factory. These amounts are approximately obtained by 600 lb. of a 5-10-8 fertilizer.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

PUBLICATION RECEIVED.

The year book of the U. S. Department of Agriculture for 1909 has been issued. The Secretary's annual report for the fiscal year ended June 30, 1909, is followed by twenty-three papers treating of a variety of topics. All of these articles are new and are here published for the first time. They are illustrated by 36 full page plates (11 colored) and 36 text figures. These articles occupy 263 of the 652 pages composing the volume—the first 152 pages being devoted to the Secretary's business report, and the last 236 assigned to the Appendix and Index. Jos. A. Arnold is the Editor.

As much of the damage that forest trees of all localities are practically every day suffering from Flat-headed Borers can be prevented by the use of methods of control recommended by expert forest entomologists, the article "Injuries to Forest Trees by Flat-headed Borers" in which a number of these insects are described, their life histories given, and effective remedies outlined should prove of value not only to lumbermen and owners of forests tracts but to every land owner possessing a woodlot, and to the users of lumber of any kind.

The Weather Bureau's most important service is issuing daily forecasts of the weather for every state in the Union, and special warnings of storms, frosts, coldwaves, heavy snows and floods, for the benefit of mariners, farmers, and the rest of the population. Therefore, an explanation of "How Farmers May Utilize the Special Warnings of the Weather Bureau" is not only of interest to all, but comes with especial timeliness as the recent losses by unseasonable cold have demonstrated the need of such information by the growers in general. Supplementing this article is one entitled "Prevention of Frost Injury to Fruit-Crop." The two combined offer many suggestions of methods for protecting strawberries and truck crops, gardens and flowerbeds, field crops and orchards—the latter including both citrus and deciduous fruits, by the use of hilling or banking, firing, smudges, irrigation and spraying, and the erection of sheds, screens and tents. "The handling of Deciduous Fruit on the Pacific Coast" and "Promising New Fruits" are far from being the least valuable of the series, as the enormous growth and development of the deciduous fruit industry of the Pacific Coast have brought forward for solution many problems until recently unknown to the trade, while the hope of finding valuable varieties among the new fruits produced by plant breeders, always holds an alluring prospect before the practical fruit grower.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

Sole
Distributor

E. H. HUNT,

76-78 Wabash Ave.,
CHICAGO.

GREENHOUSES BUILDING OR CONTEMPLATED.

Savanna, Ill.—J. Y. Lambert & Son, addition.

Warsaw, Ind.—Wm. Terrell & Son, addition.

Athens, Pa.—C. L. Schmidt, range of houses.

New Bedford, Mass.—E. Y. Pierce, one house.

Hazleton, Pa.—George B. Markel, one house.

Evansville, Ind.—Louis Fritsch, house 20 x 65 feet.

Baltimore, Md.—Charles A. Fox, range of houses.

Torch Lake, Mich.—Pearce Farm, house 62 x 100 feet.

McKinney, Tex.—McKinney Nursery Co., two houses 14 x 75 feet.

Malden, Mass.—J. J. McCormack, carnation house 20 x 200 feet.

Watervliet, N. Y.—Wm. Hannell, carnation house 30 x 100 feet.

Marblehead, Mass.—Devereux Corporation Greenhouses, addition.

Lexington, Ky.—Kelley & Curren, Clifton Heights, rose house 150 feet long.

Jersey City, N. J.—Oak Grove Cemetery, addition to range, \$2850. Weathered Company.

Detroit, Mich.—The Park Department, two houses 20 x 150 feet. Lord & Burnham Co. construction.


PATENTS GRANTED.

963,579. Plow. James Pierce Jones, Fabius, Ala.

963,920. Plant Protecting Shed. Frederick Momburg, Ybor City, Fla.

964,196. Flower Pot. Edward J. Aul, Pittsburg, Pa.

Holds Class Firmly
See the Point & PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St. Phila., Pa.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate	
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16	
1500 2½ " " " 5.25	120 7 " " " 4.20	
1500 3 " " " 6.00	60 8 " " " 3.00	
1000 3 " " " 5.00	HAND MADE	
800 3½ " " " 5.80	48 9 in. pots in crate \$3.60	
500 4 " " " 4.50	48 10 " " " 4.80	
450 4½ " " " 5.24	24 11 " " " 3.60	
320 5 " " " 4.51	24 12 " " " 4.80	
210 5½ " " " 3.78	12 14 " " " 4.80	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

**Trademarks and
Copyrights**

Send your business direct to Washington
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

What S. J. Goddard Says:

Framingham, Mass., Jan. 15, '10.

Gentlemen:—

It gives me a great deal of pleasure at this time to tell you that I am perfectly satisfied with your construction. We have just experienced two very bad blizzards. One of them was very severe and the house never so much as trembled. In fact it is the stiffest house on my place and you know I have the best of construction on the others.

Wish you every success,

Yours very truly,

(Signed.) S. J. GODDARD.

Send for Bulletin No. 35 which describes

The King Iron Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS Prices Are Climbing

If in need of any, and have delayed buying,
write us at once for prices

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

Greenhouse Material and Sash
Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475



Greenhouse of Mr. Henry Miller the Actor

See the interesting way the greenhouse and work room are connected to this old-fashioned Colonial cottage. Can't we do some such thing for you, to give the greenhouse the importance it merits—the consideration it should have?

You know we have been building greenhouses for over a quarter century, and it's experience that counts. Write us.

Hitchings & Company

New York

1170 Broadway



Putty-

The Kind
That
Stays Put

It stays put because it is made right. By made right, we mean not only that pure materials are used, but they are thoroughly mixed by a special machine which crushes all lumps and makes a putty that has a smoothness and sticking power impossible in other putties.

This Stay Put Putty business of ours has increased year by year, until now we are selling not hundreds of pounds, but tons and tons of it. It is made by a specially constructed greenhouse putty machine. Order a 100 lb. tub. Your money back if it isn't just as good and a little better than we say.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Head Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII. JULY 30, 1910 No. 5



THE MAGNOLIA AS AN AVENUE TREE IN ROCHESTER

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
Kindred Interests**

Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00

U KNOW US!**SILVER BIRCH BARK
CEDAR BARK****LET'S KNOW U!****VIRGIN CORK BARK
CORK WOOD (NEW)**

Now is the time to make up your Birch Bark Box Covers or Window Boxes.
Also decorate your Store or Green House with Natural Bark effects, unique and inexpensive.

These natural Bark ideas are MONEY PRODUCERS for you.

Full information on Page 46 of our New Illustrated Katalog.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

Orchids

**We are filling orders on the following plants
at the low price quoted while they last.**

40 to 45 plants	Per Case	Bulbs
Cattleya Trianae.....	840	150
" Mendelii	60	400
" Schroederiae	60	400
" Percivaliana	45	450
" Mossiae	40	450
" Gigas	60	400
" Bowringiana	50	400

6 to 8 Bulbs	Per doz.
Dendrobium Thrysiflorum	\$15.00
" Formosum Giganteum	7.50
" Bigibbum	12.00
" Cambridgeanum	12.00

Plants	Per doz.
Laelia Aneaps..... 8 to 10 bulbs	86.00
" Albida	8 to 10 " 6.00
Miltonia Vexillaria... 3 to 4 "	12.00
" "	6 to 8 " 20.00
" Roezlii	3 to 4 " 20.00
" "	6 to 8 " 36.00

Bulbs	Per doz.
Odontoglossum Crispum, 6 to 8 "	\$24.00
" "	3 to 5 " 12.00

A discount of 10 per cent on orders of \$500 or more only.

Plants Shipped at Once

G. L. FREEMAN CO., Fall River, Mass.

**Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.**

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS

Freshly imported in great variety,
arrived in fine condition.

Write for information and prices

**LAGER & HURRELL, SUMMIT
N. J.**

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

**CARRILLO & BALDWIN,
Mamaroneck, New York.**

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, 40, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

Madison, N. J.

ORDONEZ BROS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$1.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strain, 2 1/2 in. pots, \$1 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St., - CHICAGO, ILL.

GERANIUMS

We are headquarters, have an immense stock ready for immediate shipment, Standard Varieties, from 3 in. pots \$3 per 100, \$25 per 1000. We are booking orders for next season from 2 in. pots at \$2 per 100, \$18.50 per 1000.

CANNAS For fall or winter delivery, as low as \$12 per 1000, special price on larger lots. Write for special price on what you can use.

DAHLIAS Whole field clumps, good assortment at \$6 per 100, \$45 per 1000. Send for List.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

For Immediate Delivery

2 1/4 in. pots, ... \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, ... \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE

	per 100	per 1,000
2 1/4 in. pots, ...	\$15.00	\$135.00
3 " " " " " "	25.00	200.00
4 " " " " " "	35.00	300.00

GARDENIAS

3 in. pots, ...	\$15.00 per 100.
4 " " " " " "	25.00 " " "
5 in. pots, ...	\$5.00 per doz., \$25.00 per 100

POINSETTIAS

2 1/4 in. pots, ...	\$8.00 per 100, \$75.00 per 1000
---------------------	----------------------------------

BOSTON FERNS

7 in. pans, 75 cts.; 8 in. pans, \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

21,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2890 Bedford **BROOKLYN, N. Y.**

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

ROEHRS

ORCHIDS, AZALEAS, PALMS, LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

CHRYSANTHEMUM PLANTS

From 2 1-2 inch Pots.

Immediate Delivery

	WHITE	Per 100	Per 1000	YELLOW	Per 100	Per 1000
Oct. Frost.....		\$2.00	\$15.00	Oct. Sunshine	2.00	15.00
White Cloud.....		2.00	15.00	Appleton	2.00	15.00
YELLOW				Y. Eaton	2.50	20.00
Monrovia.....		\$2.00	\$15.00	Halliday.....	2.00	15.00

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

CHRYSANTHEMUMS

and **ASTER SEEDS**

ELMER D. SMITH & CO.,

Adrian, Mich.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,

Sangamo, Brilliant pink.

Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

Whitmani Ferns

2 1/2 in., \$5.00 per 100; \$40.00 per 1000; 250 at 100 rates.

Nep. Magnifica, 2 1/2 in., \$15.00 per 100.

H. H. BARROWS & SON

Whitman, Mass.

Chrysanthemums

Fine stock from 2 1/4 and 2 1/2 in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, J. B. Troy, Maud Dean, Money-maker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Mme. Bergeman, Polly Rose, Riverside, The Harriott, Timothy Eaton, W. H. Lincoln, Wm. Duckham, fine stock, \$3.00 per 100; \$25.00 per 1000.

Wood Brothers

FISHKILL, N. Y

ROSE STOCK

3000, 4 inch American Beauty at 15c each.
500, graded My Maryland, splendid stock, 25c each.

2000, each, Brides, 'Maids, Richmond:

1000 Rhea Reel;

250 Ivory, all own root at 6c each.

Chrysanthemums

Our selection, good commercial varieties, at \$3.00 per hundred, \$25.00 per thousand.

Charles H. Totty

Madison, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Strawberries

You can have them all summer, from June 1st to Oct. 1st, by using the right varieties. Let us tell you about it.

Our strong pot grown Strawberry plants if planted during July or August will produce a full crop of fruit in 1911.

Send for our price list which tells all about the Strawberry, how to plant it and grow it. Our prices are right, so let us figure on your wants.

Call, telephone or write to

WILFRID WHEELER

Tel. 154-3 Concord, Mass.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove, PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.



APHINE'S

Increasing Popularity

As a general insecticide for destroying greenhouse and outdoor pests,

Is due to the hearty endorsements of the many expert floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of the trade.

It does all that is claimed for it, and more.

Ask your supply house for Aphine, or write us for name of our nearest selling agency.

Aphine Manufacturing Company
MADISON, N. J.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

The E. G. Hill Co.
Wholesale Florists,
Richmond, Ind.

Notes From the Arnold Arboretum

This year for the first time flowered *Lonicera Henryi*, a new Chinese Honeysuckle of the type of *L. japonica*; like this it is a strong and rampant grower climbing in its native habitat to the height of about twelve feet. Its bright green leaves are oblong-ovate or lanceolate and two to three and a half inches long; the flowers appear in June and July in twos in the axils of the leaves and in clusters at the end of the branchlets; they vary from yellow to orange red or purplish and are about three-quarters of an inch long. It can not be said that this novelty is superior to the well known *L. japonica*, the flowers being smaller and scentless, though in habit and foliage it resembles it very much, except that the leaves are generally narrower, but on account of the quite different color of the flowers it may be recommended for variety's sake. Another new Chinese species is the closely related *L. alseuosmoides*, a slender plant with narrower leaves, more slender stalked flowers and looser flower clusters, otherwise very much like the preceding species but easily distinguished by its quite glabrous branchlets which are hairy in *L. Henryi*. Even if these two species are not very striking novelties, we have a very beautiful new Chinese species in *L. tragophylla*, which must be classed among the most showy climbing Honeysuckles with its golden yellow flowers nearly three inches long and borne in large clusters at the end of the branchlets; in its oblong foliage it resembles *L. sempervirens* and is a strong grower attaining in its native habitat to twenty feet in height. Unfortunately it becomes like other allied species easily infested by aphides. Another handsome new climber is *L. subaequalis* with broad oval leaves and yellow flowers nearly two inches long in clusters at the end of the branches; it reaches a height of twelve feet.

A pleasing little halfshrubby plant is *Indigofera Kirilowii* recently introduced from northern China and Mandshuria. It is a low bushy plant only two to three feet high with handsome bright green foliage consisting of pinnate leaves with generally seven broad oval leaflets about one inch long. The pale purple flowers appear in the axils of the leaves in slender spikes measuring with the stalk about four to five inches in length; the individual flowers are about three-quarters of an inch long. It resembles the better known *I. decora alba* in habit and general appearance, but the latter has white flowers and narrower pointed leaflets. Another handsome species is *I. Gerardiana* (*I. Dosua*) which looks quite different on account of its very small grayish green foliage; the pale purple flowers are smaller, about half an inch and borne in slender spikes four inches long. The leaves consist of about twenty leaflets half an inch long. In our climate these *Indigoferas* do not become woody; the stems are killed to the ground during the winter, but in spring young shoots spring up freely from the roots and form dense bushes which flower during July and August; they are well adapted for borders of shrubberies and pleasing objects even without flowers.

A Locust now in bloom merits attention for its late flowering time. This is *Robinia Holdtii*, a hybrid between *R. Pseudacacia* and *R. neo-mexicana*, originally raised by F. von Holdt, Alcott, Colo., and afterwards in a similar form by L. Spaeth, Berlin, Germany. It is a strong growing tree, similar to *R. Pseudacacia*, but with smaller and darker green leaves. The flowers are rose-colored and appear in racemes about four inches long

during July and August. The form raised by Spaeth has paler, more flesh-colored flowers and is distinguished as *R. Holdtii* var. *britzensis*. The hybrid is said to be even hardier than *R. Pseudacacia*. Mention may also be made here of another new Locust which is shrubby and flowers in June. This is *R. Kelseyi*, a shrub attaining to the height of ten feet and with its rose-colored flowers very similar to *R. hispida*, but of more compact habit like the common Locust. From *R. hispida* it differs in its glabrous, not hispid, branches; the leaves consist of eight to ten bright green leaflets, one-half to one and a half inches long; the rose-colored flowers appear in five to eight-flowered racemes and are followed by pods densely covered with purple bristles. In *R. hispida* these highly ornamental pods are as a rule only rarely and sparingly produced, but at the Arboretum we now have a form which fruits profusely and whose distribution may be recommended for this additional ornamental feature.

Alfred Rehder.

Commendable Rose Novelties

Editor HORTICULTURE:

When returning last year from my European trip I sent you a few lines describing Levavasseur & Sons' Polyantha rose novelties, in the Baby Rambler line. I now notice in the German trade paper *Mollers Garten Zeitung* that my good opinion of these roses is shared by our German friends. From an article in No. 26 of the above mentioned M. G. Z., written by Mr. H. Eicke of Roedelsheim, near Frankfurt on the Main, I see that he prefers Rose Orleans to the much mentioned English Polyantha rose Jessie, this latter being reported by different growers as being subject to mildew. Orleans and Mrs. Taft on the contrary are pronounced as being healthy in the foliage, and very free flowering besides. Especially the Mrs. Taft is considered a great improvement on the old Baby Rambler, whose color fades, whilst Mrs. Taft retains its clear crimson shade. Of both sorts I had trial plants grown over winter in a Flatbush greenhouse, potted up some time in January (being then imported fieldgrown budded stock). They were just about ready for our early Easter; but a week or so later they were in prime flowering condition, covered with plenty of flowerheads of bright crimson color, and the sappy green foliage absolutely healthy. Rose Orleans shows a white center; Mrs. Taft is of clear Crimson Rambler shade. Both novelties should be very commendable to the florist trade for indoor forcing as well as for summer bedding.

W. Fromow & Sons of Windlesham, the English rose growers, write in one of their letters to us about the Rose Orleans, which they bought on the writer's recommendation, and after personal inspection at the originator's nurseries: "This is far and away the best Polyantha rose yet on the market." About Levavasseur's new white Polyantha Jeanne D'Arc (or Johan of Arc as it was first spelled) the aforesaid Mr. Eicke writes and pronounces it the best white Polyantha rose thus far offered: pure white, very free flowering and of healthy foliage.

The prices of these novelties are very much reduced this year, so that they are within comfortable reach of all florists who like to handle a superior article in this line.

WINFRIED ROLKER.

HORTICULTURE

VOL. XII

JULY 30, 1910

NO. 5

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—The Magnolia as an Avenue Tree in Rochester.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	133
COMMENDABLE ROSE NOVELTIES — Winfried Rolker	133
POT GROWN STRAWBERRY PLANTS FOR SUMMER PLANTING—Wilfrid Wheeler.....	135
A MAGNOLIA AVENUE.....	135
ROSE SHOW AT LIEGNITZ, SILESIA—Frederick Moore	136
SOCIETY OF AMERICAN FLORISTS: Special Rates to Rochester—Headquarters—Dues— Proposed Constitutional Amendments—New State Vice-Presidents—Exhibition—Convention City Prepara- tions—Prospective Attendance.....	138
CLUBS AND SOCIETIES: National Sweet Pea Society, London—Frederick Moore	136
Newport Horticultural Society—American Association of Park Superintendents—New Orleans Horti- cultural Society.....	140
Northern Indiana Florists' Association—Elberon Horti- cultural Society—Club and Society Notes.....	141
DURING RECESS: Gardeners' and Florists' Club of Boston—St. Louis Florists' Club Outing.....	142
Cincinnati Florists' Society—A Philadelphia Catastrophe	143
SEED TRADE: The Production of Vegetable Seeds—Crop Shortages —Notes	144
OF INTEREST TO RETAIL FLORISTS: Steamer Departures	146
Flowers by Telegraph—New Flower Stores.....	147
FLOWER MARKET REPORTS: Boston, Buffalo; Chicago.....	149
Cincinnati, Detroit, New York, Philadelphia.....	151
OBITUARY: Isaac C. Wood—Mrs. D. H. Sheehan—W. G. Gano— Alexander Youngston—George H. Sheppard.....	156
MISCELLANEOUS: About Seasonable Notes.....	136
Preparing for Spokane Apple Show.....	136
Personal	137
A New York Flower Dealer—A. Moltz, portrait.....	137
The Castle Automatic Circulator Changes Hands— Illustrated	137
A Seventy-fifth Anniversary.....	137
The Shaw Banquet.....	139
Incorporated	144
Chicago Notes	147
News Notes	158
Philadelphia Notes	157
St. Louis Personals.....	157
Fires	157
Greenhouses Building or Contemplated.....	158
Patents Granted	158

Another "horticultural wonder" we are informed has come to light—this time at Cincinnati—a man named Tromey who has a flower store on Vine street having discovered and brought home from the Elks' Convention at Detroit a genuine black hollyhock. This remarkable treasure-trove, the Cincinnati Enquirer informs its readers, "is the result of grafting last season when a red blossom was grafted into the stem of a blue hollyhock." We don't know, of course, what they do to a man at the Elks' incantations but the mere fact that this happened on the way home from Detroit should not necessarily lay Mayor Breitmeyer or his beautiful city open to any suspicion. Were there any Californians there? These "romantic flights" are undoubtedly contagious.

In a letter received from one of the Baltimore's Southern vice-presidents it is suggested that an occasional visit by the S. A. F. to Southern territory would have an inspiring effect on the florists of that section and result in bringing to the National Society a substantial membership increase in States where it is now numerically weak. No doubt our friend is right. The Asheville Convention unquestionably helped the Society very much in the South. Asheville, however, because of its high altitude, where we were told one might almost reach up and tickle the feet of the angels, had the advantage of other Southern cities in availability as a place for a hot-weather meeting and it is doubtful if an equal attendance from the large northern centres of horticultural activity could be secured at any other Southern point in August. There is one city, though, the selection of which, we believe, would be regarded with much favor by the Southern people, while also drawing a big representative attendance from the North. We refer to Baltimore—a city which has made more than one earnest, although unsuccessful, attempt to induce the S. A. F. to choose it as a convention city. If it be that Baltimore still entertains the same desire she certainly has the strongest claims on the Society's consideration and it would be a very proper action for other places which have already had the honor of entertaining the S. A. F. to stand aside now and gracefully yield the privilege to the Monumental City. Baltimore has many strong points which are obviously in her favor and, as before said, would undoubtedly draw a large attendance from both old and new territory.

We have just received the following letter:

Is a cycas

Springfield, L. I., July 23, 1910.

a palm?

Editor of HORTICULTURE.

Dear Sir:—Will you kindly inform me if the *Cycas revoluta* is a palm. I have always been under the impression it was. For years I have imported the fresh cut leaves from Bermuda free of duty. Within the last week the Assistant Appraiser of the port of New York insists they are not palm leaves and has put a duty of 60 per cent. on them. I would like to know your opinion on the matter at your earliest convenience.

Respectfully yours,

J. D. OUTERBRIDGE.

Although the plant in question is popularly known as the "sago palm" and its leaves, so largely used as funeral emblems, have been bought and sold for generations as "palm leaves" yet we do not believe that the use of the name palm as applied to a cycad can be successfully defended as proper. Loudon says of the

cycads (botanically)—“The true station of this very curious order is extremely uncertain. . . . It is to be supposed that its true station is in the immediate vicinity of the ferns with which the species agree in veneration and in many curious particulars.” Nicholson, on the other hand states that they are “closely related to Coniferae.” So, following one or the other of these authorities it may be argued that the cycas is a fern or a conifer, but we know of no authority placing it among the palms, although it may have been the intent of the tariff framers to so classify it and admit the cut leaves free of duty. Now that the technical question has been raised the fact of long-established custom in the use of the name palm should be given due weight in coming to a decision. Sixty per. cent. duty, if enforced, is going to make a big difference in the market value of this specialty, but it is hardly to be expected that the home flower growers will file any serious objections.

Pot Grown Strawberry Plants for Summer Planting

None of our leading hardy native plants lend themselves so readily to all conditions of soil and climate as the strawberry, and there is certainly no other fruit, plant or tree which can be successfully planted over such a long season.

I have heard, as a strong argument for fruit growing in California or Porto Rico, that you can plant strawberries and have them in fruit in six weeks. The same can be accomplished right here in New England, and very successfully too; in fact by using certain varieties of the strawberry it is possible to have ripe fruit in four weeks from the planting.

There is no better time than during the months of July, August and September to set the strawberry in the garden. Not only is it a time when the gardener is less rushed than in the spring, but the ground which has been used for early vegetable crops is now in the best of condition for setting strawberries and there is much less danger of losing the plants than in the spring. Did it ever occur to you that the strawberry makes its best growth during July and August and that by setting pot-grown plants you lose no time, and actually save expense in the cost of the plants, for while only 65 per cent. of layer plants will live, you can count on 95 per cent. of pot-grown plants. Of course these plants set in the summer should be grown in hills, and no runners allowed to set from them.

To obtain the best results from pot-grown strawberry plants, it is essential that the plants be from runners of this season's growth, and not from plants of the past season, heeled in and potted. The new runner, although

it may be somewhat smaller than plants obtained in the latter way, is the natural method in which the fruiting plants are propagated.

Just a word as to varieties of strawberry plants to set. I have about come to the conclusion, after experience and observation, that for quality variety does not count much (except in a very few cases) but that the matter resolves itself into conditions of soil, fertilizer, and the time of picking the fruit. In the first place, where the strawberry has been grown year in and year out on the same land the quality does not compare with that of berries where crops have been rotated, or better still where strawberries have never grown at all. Then again we are so apt to apply fertilizer of a highly nitrogenous nature in order to get a large fine plant, believing that this is the only way to have first-class fruit, while in reality a medium sized plant less highly stimulated, will produce a much finer quality berry. I was particularly struck with this point not long ago, when visiting a New Jersey berry farm where a large per cent. of the berries grown was of the Glen Mary variety, considered here of very poor quality, but out there much appreciated. These special plants to which I refer were of medium size, heavily loaded with highly flavored, well colored fruit, delicious in every way. At the beginning of the strawberry season we are so apt to pick the berries unripe and then condemn the variety as poor and tasteless. A berry is not ripe when it becomes red but should stay on the plant from two to four days after coloring. Everyone knows how fine the last berries are, and it is simply because they are thoroughly ripe. The first ones would taste like these if we would let them stay on the plants a little longer.

Anyone who wants fine strawberries for 1911 should plant pot-grown plants now, using early, medium and late varieties to insure a long season, and keeping in mind that such varieties as Glen Mary, Sample, Abington, Parsons Beauty, Stevens Late Champion, Senator Dunlap, Meade, North Shore, and Minute Man, when well grown and thoroughly ripe are hard to beat for quality, and will at the same time produce an abundance of fruit.

WILFRID WHEELER.

A Magnolia Avenue

Our cover illustration shows one of the most beautiful spring scenes to be found in any city in America. Rochester is proud of the title of “Flower City.” Those who take advantage of the opportunity to see for themselves, on the occasion of the S. A. F. visit to the Flower City, will have reason to know that the title is not misapplied.

Our Sixth Annual Convention Number

Will be issued under date of August 13, 1910. It will be full of interest for those who go to the Convention at Rochester, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space. You'll find yourself in good company. * * * * *

IT PAYS!

IT PAYS!

IT PAYS!

ROSE SHOW AT LIEGNITZ, SILESIA.

This important event in Eastern Germany—the celebration of the 25th year of the existence of the “Deutschen Rosen Verein,” was held at Liegnitz, from June 25 to July 10, and marked the first jubilee of the Verein. It was held in the town garden. The garden possesses large grass plots and broad walks, old trees and picturesque groups of shrubs, and affords, therefore, an effective setting for an exhibition of plants.

A cursory observation of the bedded-out area sufficed to impress one with the fact, that dwarf bush roses far exceeded in number the standards and half standards. These latter were exclusively planted singly in the mixed groups, and with but moderate effect. It was a pleasure to notice the close masses of color in the rose beds obtained by planting one variety only in a bed; and even when one variety is planted as an edging, the effect is not satisfactory if it be not a variety of *R. polyantha*. These varieties are the only ones that do not over-top the central mass of plants in the beds.

The date of the end of the exhibition was correctly chosen, and the flowers which here and there had suffered from the wet weather were satisfactory in general, and in the case of Rambler and Polyantha roses, they were excellent. Still some of the varieties, in particular Gruss an Teplitz, which had been cut back to two buds with the object of obtaining strong shoots were very backward, and spoiled the effect as a whole. Tea hybrids showed themselves to be the roses of the future as of the present; and after these the Polyanthas. Hybrid Perpetuals (Remontants), such as Frau Karl Druschki, gave light and life to the big groups when seen from a distance. Of Teas, *Etoile de France* was remarked as having done well this year in spite of the abundant wet weather; but per contra, Richmond, Liberty and General McArthur seemed to be unsuited to the climate and failed to bloom satisfactorily; and the German rosarians are of the opinion that they are fitted only for forcing purposes.

Herr Peter Lambert, nurseryman at Treves, secretary of the Verein, contributed the greatest number of varieties. The newest varieties were well represented. Other good exhibitors were the United Rose Raisers of Utersen (Holstein), who had extensive collections of very vigorous plants. The firm, P. Boehm, Ober Cassel, near Bonn, belonged to the class that rendered the greatest service among the exhibitors, as well in view of the excellent condition of their plants, the quality of the varieties, and the extent of their participation in the exhibition. Other nurserymen who showed well were Carl Schmidt, Kostritz, Conrad Maas of Rellingen, W. Cordes of Elmshorn, Hugh Dickson of Ireland, August Hundt of Dresden, and J. Bottner, Frankfort-on-the-Oder. The latter showed standard plants of his variety Natalie Bottner, which may have value as a cream colored vigorous Tea rose for forcing. The leaf is as if lacquered.

The invitation issued by the Deutschen Rosen Verein, states that 35,000 roses were planted in the open air; and that at scarcely any exhibition of

roses have such extensive effects in the massing of one color in a group been witnessed. For the display of cut blooms and objects of the florists' art, a hall having an area of about 350 square yards was provided.

FREDERICK MOORE.

PREPARING FOR SPOKANE APPLE SHOW.

Growers in the United States and Canada who exhibited their orchard products in competition at the second national apple show last fall, will be requested by the board of trustees to give their views upon questions governing variety ratings, entering and judging of exhibits at the third exhibition in Spokane, November 14 to 19, when \$25,000 will be distributed in prizes and trophies in the various contests, which are free and open to the world.

The chief question is regarding scoring values. Ren H. Rice, secretary of the National Apple Show, Inc., says in a letter to prospective exhibitors and growers that the rules of the American Pomological Society were adopted last year at the request of many entrymen; “but,” he adds, “it was apparent that the ratings were not fair to many apples that have been brought to a higher standard since the society made up its list 13 years ago.”

The present ratings are: Arkansas, 7-8; Arkansas Black, 5-6 Baldwin, 5-6; Ben Davis, 4-5; Cox Orange Pippin, 8-9; Delicious, 9-10; Gravenstein, 8-9; Grimes' Golden 9-10; Jonathan, 8-9; McIntosh Red, 5-6; Northern Spy, 8-9; Rhode Island Greening, 7-8; Rome Beauty, 6-7; Spitzenburg, 10; Styman Winesap, 8-9; King of Tompkins County, 8-9; Wagener, 7-8; Wealthy, 6-7; White Permain, 8-9; Winter Banana, 8-9; Winesap, 7-8; Wolf River, 5-6; Yellow Bellflower, 8-9; Yellow Newton, 9-10; York Imperial, 6-7.

The only changes proposed are: Arkansas, Arkansas Black and Baldwin, 6-7 each; McIntosh Red and Wealthy, 7-8 each; Delicious and Winesap, 8-9 each.

The other questions are: The publication of score cards after judging, special judges for the limited displays, and requiring pledges of honor from exhibitors that the apples entered in any commercial exhibit, district and limited displays not included are products of one orchard.

ABOUT SEASONABLE NOTES.

We very much regret that, through a misplacement of copy in this office, we are unable to present Mr. Farrell's valuable cultural notes on florists' stock, which have come to be eagerly looked from week to week by so many commercial flower and plant growers. Notes intended for this issue will appear next week.—(Ed.)

“COULD NOT DO WITHOUT IT.”

Manchester, Mass., May 21, 1910.

HORTICULTURE Publishing Co.:

Could not do very well without your live, up-to-date publication.

J. S.

New Castle, Ind. The greenhouses near the Union Depot have been purchased by Levi A. Jennings.

NATIONAL SWEET PEA SOCIETY, LONDON.

Quite a stir was caused in the gardening world by the result of the show of the National Sweet Pea Society at the Horticultural Hall, Westminster, on July 12. To the surprise of everybody, the Sutton Cup, which is the chief trophy, and carries with it a gold medal and prize as well, was won by a Welsh innkeeper of the name of Haycocks, from Cypella, a village near Wrexham. Although there were famous enthusiasts from all over the Kingdom, Mr. Haycocks beat them all unaided, growing his peas in his back garden, and bringing them up to London himself from his country home. As it happened, Mr. Haycocks' doughiest antagonist, Sir Randolph Baker, Bart, of Blandford, was disqualified through having twenty-one sprays in one of his vases, instead of the regulation, twenty. In any case, it would have been a near thing between the baronet and the prize winner. The triumph was still more creditable in view of the fact that Mr. Haycocks, who thus finds himself practically champion sweet pea grower of the world, has only taken up gardening as a hobby for three years. He has no greenhouses, and only about eighteen rods of garden behind the Waggoners' Inn in his remote Welsh village. The varieties shown in the winning lot consisted of Countess Spencer, Menie Christie, Mrs. A. Ireland, Clara Curtis, Marquis, Helen Lewis, Elsie Herbert, Mrs. Hardcastle Sykes, Frank Dolby, Evelyn Hemus, Mrs. H. Belle, The King, Etta Dyke, Aurora Spencer, Helen Pierce, Nora Unwin, John Ingram and Constance Oliver.

In the class for 24 bunches, distinct, Mrs. A. Tigwell was first with, among other varieties not shown in the larger class, Miriam Beaver, Masterpiece, King Edward, W. T. Hutchins, Dazzler, Prince Olaf, Tennant, Senator, Flora Norton, Marjorie Linzee, Zero and several more.

Mr. Usher, gardener to Sir R. Baker, Bart, was the winner of the first prize in the Eckford Memorial class, one that created keen competition. There were two special classes for 12 bunches, Mrs. A. Tigwell taking the first prize in one of them; and Mrs. Prophet, of Par Station, Cornwall, the first prize in the other. Mr. Usher was first in an open class for 18 bunches, distinct, and for 16 bunches. He showed among others Rosie Adams; and other exhibitors showed in first prize lots the varieties: Dusky Monarch, Lavender George Herbert, Anglian Orange, Anglian Pink and Rosabelle. Iris, a fine shade of salmon, won first prize as a new variety, for Mrs. C. W. Breadmore. In a class for 12 bunches of flowers having waved standards, Mr. T. Stevenson was first—Black Knight, Mr. Charles Foster, Mr. Hugh Dickson, American Spencer and Sunproof Crimson being among his varieties. Mr. Usher was first for four American varieties, viz, Miriam Beaver, Marie Corelli, W. T. Hutchins and Senator. There were about 24 exhibitors belonging to the trade, including W. Atlee Burpee & Co., Philadelphia.

FREDERICK MOORE.

THE CASTLE AUTOMATIC CIRCULATOR CHANGES HANDS.

Desirous of a relief from business cares and seeking the enjoyment of a more leisurely life, Col. W. W. Castle, the original promoter of the first and most reliable method of forced hot-water circulation and originator of the recently patented automatic improvements on the original device, has disposed of the business to a syndicate consisting of parties connected with one of the largest invested interests in New England.

It is not without extreme reluctance that Col. Castle has thus parted from a business which has made for him some of the most prized affiliations and



WILLIAM W. CASTLE

friendships which it has been his privilege to enjoy and he wishes to express through the medium of **HORTICULTURE** his profound gratitude for the many courtesies—social as well as business—which he has received at the hands of the craft and to assure his many friends that although he is now out of business life, it is still his intention to keep in close touch with all that tends to the betterment of horticulture and those engaged in its pursuits. We are sure that all those to whom he thus addresses himself will congratulate this magnetic and big-hearted gentleman on his well-



Col. Castle's Home at East Weymouth, Mass.

earned leisure and wish him the fullest enjoyment of many years of happy life.

One condition of the sale of the property was that it should carry the name of its founder and in this connection it is pleasant to inform the many friends and clients of the old concern that Mr. Congdon, who has been actively connected with the Castle Company for the past five years, is to be retained as manager by the new corporation. Those who have known this gentleman's capability and industry in the past will need no fur-

ther assurance of the ability of the new concern to serve them satisfactorily. That the business will be energetically pushed from now on is a foregone conclusion.

PERSONAL.

H. G. Eyres and family of Albany, N. Y., are summering at Lake George.

Robert Renison is now in charge of the nursery of Wadley & Smythe, Yonkers, N. Y.

John Moran, of Eyres, Albany, is spending two weeks vacation at Boston and New York.

Mrs. W. W. Edgar and family, of Waverley, Mass., are enjoying the sea breezes at York Beach, Me.

Alex. Newitt is now connected with the Stuppy Floral Co., St. Joseph, Mo. He was formerly with J. B. Deamud Co., Chicago.

Lawrence Hussey, formerly in the employ of Olmsted Bros., at Seattle, is now with the Eastern Nurseries, at Holliston, Mass.

Mr. Fauver, formerly employed by the Elizabeth Nursery Co., has resigned and taken a position as foreman of a greenhouse in Nyack, N. Y.

David Welch, of Welch Bros., is enjoying himself on the other side of the Atlantic. A card just received locates him at the Lakes of Killarney.

E. Allan Peirce and P. Welch were expert witnesses in a suit at Greenfield, Mass., in which Paul R. Burt seeks damages from the landlord for damage to plants in Mr. Burt's store through inadequate heat in the building last winter.

P. Welch, of Boston, who is spending the summer vacation at Old Orchard, Me., is suffering from a sprained ankle, and moves about with much difficulty. It happened when he was bathing in the surf, a big roller having knocked him out in the first round.

Visitors in Boston—Charles W. McKellar, Chicago; P. F. Kessler, New York City.

Among recent visitors in Cincinnati, was Mr. Winters of the Charleston Cut Flower Co., Charleston, W. Va.

Recent visitors at Albany, N. Y.—Mr. and Mrs. Raum, of Dards', New York; J. J. Karins, representing H. A. Dreer, Phila., Pa.; Mr. and Mrs. C. W. McKellar, Chicago, Ill.

A SEVENTY-FIFTH ANNIVERSARY.

This month the firm of August Rolker & Sons celebrate the 75th anniversary of the arrival in America of their senior, who laid the foundation for the present firm, the active members of which are Winfried and Joseph E. Rolker. August Rolker, on arrival in this country, July 6, 1835, at once engaged in a general importing business, with office on Pearl street, New York City, which was later destroyed in the great fire. Afterwards the partnership of Rolker & Mollman was formed and continued until 1860, when Mr. Mollman died. The present style of firm was formed in 1871, when

August Rolker, Jr., and Winfried Rolker, the two oldest sons, were taken into partnership. Three days before the partnership took effect the elder Rolker died. Two younger brothers, Jos. E. and Herman, were later admitted to the firm.

Both August and Herman have since died. Messrs. Rolker are well known to florists and nurserymen in this country and abroad. Their business reputation stands very high, and those who have a personal acquaintance with these gentlemen esteem them highly for their kindly personality and delightful social traits. They represent a number of prominent English and Continental dealers in nursery stocks and florists' forcing plants and bulbs.

We wish the house many more years of prosperity.

A NEW YORK FLOWER DEALER.

The gentleman whose portrait appears here is familiar to all habitués of the wholesale cut flower district of



A. MOLTZ

New York. Starting in a street speculator, simply, on such surpluses as were to be found from day to day in the wholesale markets, A. Moltz finally reached the importance of a regular headquarters in the market building at 55 West 26 street, and now, with an associate in business, announces the acquirement of quite an addition to the floor space to be occupied by his firm for the coming season. His methods are quite distinct from the other wholesale places as no goods are received on commission or by purchase from growers direct, all stock being bought from established wholesale dealers exclusively. His services in this respect are thus quite useful to retailers requiring special supplies and to wholesalers having surpluses in any line.

Chicago, Ill.—Fred Burmeister has purchased the greenhouses of Wm. G. Kruetz. 1716 Cemetery Drive.

Louisville, Ky.—It was Geo. Thompson's place that Mr. Kleinstarkink purchased and not the Anchorage Rose Co.'s property, as was previously reported.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

SPECIAL RATES TO ROCHESTER.

A rate of one and three-fifths, on the certificate plan, has been granted by the Trunk Line Association, New England Passenger Association, Central Passenger Association and the Eastern Canadian Association. Tickets may be secured not earlier than August 12th, and not later than August 17th, and will be good returning up to and including August 23rd. In securing your ticket purchase a full one-way first class fare and be sure to request a certificate. Inquire at your home station and ascertain whether certificates and through tickets can be obtained to the place of meeting. If not, purchase your ticket to the nearest point where they may be secured and there purchase a through ticket and certificate. No reduction of fare will be made unless a certificate be secured at the time of the purchase of the ticket. Be sure to ask for certificate and not for a receipt.

Immediately upon your arrival at the convention hall, present your ticket and 25 cents to the Secretary. A fee of 25 cents is charged for each ticket validated. An agent of the Association will be present at the office of the Secretary on August 17th and 18th from 9 a. m. to 6 p. m. to validate certificates. No certificates will be signed before or after that date.

When returning present your certificate at the railway ticket office and a ticket at three-fifths of the regular fare will be furnished you.

For those living west of the western boundary of the Central Passenger Association, that is, west of Chicago or St. Louis, summer tourist tickets may be purchased to Chicago or St. Louis, from which point the reduced rates may be secured to the place of meeting. It will be well to confer with your local agent for full particulars regarding rates and routes.

Special trains and special cars start from many of the larger centers. By joining one of these a very pleasant trip may be had.

Headquarters.

Headquarters for the convention will be at the Seneca Hotel. Both the president's reception and the reception given by the Ladies' Society will be held here. It will also be headquarters for the ladies.

Dues.

All members should send in their dues in advance and have their certificates and badges mailed to them. In this way much delay may be avoided in the secretary's office. Dues cannot be paid while meetings are in progress. Remember that the secretary has other duties to perform.

A badge and certificate of membership are absolutely necessary before any individual can sign the roll and receive invitation cards for any of the entertainments. Badges will be also necessary to get into the exhibition hall. All not having badges will be required to pay admission fee.

H. B. DORNER, Sec'y.

PROPOSED CONSTITUTIONAL AMENDMENTS.

Notice has been received of amendments to the constitution to be presented for consideration and adoption or rejection at the annual meeting in Rochester. It is proposed that Sec. 1 of Art. V be amended so that the selection of the time as well as the date of the next meeting shall be selected annually by ballot by the Convention. An amendment to Sec. 2 of Art. IV provides that the fee for life membership be advanced from \$25 to \$50. Amendments as proposed in Art. II, Sec. 2, takes the appointment of directors out of the hands of the president and makes this an elective office and takes the election of secretary and treasurer out of the control of the Society, vesting these in the Executive Board as appointive officers to continue until their successors are appointed. Other minor changes in various sections will be voted on in case the above mentioned changes should be approved.

NEW STATE VICE-PRESIDENTS.

Z. D. Blackistone has been appointed local vice-president for District of Columbia to replace Peter Bisset, who has resigned, owing to demands of his present employment. For the State of Colorado, President Pierson has appointed John Berry, of Colorado Springs, to succeed N. A. Benson.

EXHIBITION.

All exhibitors who intend entering novelties and new devices, to be submitted for awards, for the S. A. F. & O. H. Trade Exhibit, at Rochester, N. Y., Aug. 16 to 19, please send entries at once. The list must be ready for the Judges the morning of the first day, Tuesday, Aug. 16th.

CHAS. H. VICK, Supt.

191 Main St., Rochester, N. Y.

CONVENTION CITY PREPARATIONS.

Entertainment and Games.

The executive committee of the Rochester Florists' Association have matters well in hand for the entertainment of the visitors, a few minor details only being required to complete all arrangements so that the complete program can be placed in the printers hands in a few days.

The outing will be held at Manitou Beach on Friday. The ball game will also take place here, this being an ideal spot for a gathering of this kind, besides the ten-mile ride by trolley along the shore of Lake Ontario, is a feature in itself that the committee did not overlook in deciding on Manitou Beach.

The ladies' bowling will be held at the Elm Alleys on Elm street. The men's bowling will take place at the Grand Central Alleys on South avenue. These are considered the equal of any in the city and will be refurnished for this occasion. The shooting contest will be held on the grounds of the Riverside Gun Club at South Park.

Chairman A. F. Vick of the sports committee desires that the clubs holding trophies will communicate with him at once, stating whether these trophies will be sent by express or brought by the club now holding them; he also requests that the captains of all clubs will report at once so that some idea can be formed as to how many will be here, so that the prize list can be made complete without further delay. Address A. F. Vick, care Vick & Hill Co., Rochester, N. Y.

The Souvenir Album now gone to press will no doubt prove to be the best publication of its kind ever published in Rochester and will reflect great credit on the committee who had this work in charge.

Charles H. Vick, superintendent of the Trade Exhibit, is more than pleased with the way matters are going and feels convinced that all will be satisfied and that the Trade Exhibit in Rochester will outshine all others. Mr. Vick has appointed as his assistant, Walter Salmon, who will undoubtedly prove himself of great value in directing the installing of the Exhibit.

W. H. Dildine of the badge committee, is busy on providing a Souvenir Button. The design will consist of a reproduction of the Rochester Aster and will be worn in addition, of course, to the regular badge of the S. A. F.

Hotels.

I submit, for the information of those attending the convention, the following list of hotels, together with rates, etc. All these hotels, with the exception of the Bristol and Clinton are strictly first-class, modern hotels:

Hotel Seneca, Clinton Ave., South. European plan. One person, \$1.50 to \$3.50; two persons, \$3.00 to \$5.00.

Hotel Rochester, Main St., West. European plan. \$1.50 to \$3.50.

Powers Hotel, Main St., West. European plan. \$1.50 to \$4.00.

Osborn House, 104 South Ave. American plan. \$1.50 to \$4.00.

Hotel Eggelston (men only), 159 Main St., East. European plan. \$1.00 to \$2.00.

Whitcomb House, 209 Main St., East. European plan. \$1.50 to \$3.00 with bath, \$1.00 to \$2.50 without bath.

The Bristol, Central Ave. European plan.

Clinton Hotel, South Ave. European plan.

It will be well to make application for rooms in advance.

H. B. STRINGER.

Sec'y Rochester Florists' Association.

PROSPECTIVE ATTENDANCE.

From New York.

The regular authorized rate for this occasion is one and three-fifths fare on the certificate plan. The going fare, New York to Rochester via Lehigh Valley Railroad, is \$7.00, obtaining certificate from ticket agent entitling holder to return at the rate of \$4.20, with payment of fee of twenty-five cents for visé of certificate.



HOTEL SENECA

Rochester's Leading Hotel

Headquarters S. A. F. Etc.

A. M. WOOLLEY
Manager.

For tickets apply to ticket offices of the Lehigh Valley Railroad, at No. 30 Flatbush avenue, Brooklyn, 140, 355 or 1460 Broadway, New York. Tickets on certificate plan will be sold August 12-17, inclusive, returning, good until August 23.

Representatives of the Lehigh Valley Railroad will accompany the special train, and will assist in every way possible, in caring for the party.

Please advise Mr. Frank H. Traendly, chairman committee on transportation, 131 W. 28th street, New York City, at the earliest moment, of your intention to take special train so that proper arrangements may be made for your comfort.

The itinerary is as follows: Monday, Aug. 15—Leave New York, Penn. ferries, West 23rd street, 9:40 a. m.; Cortlandt and Desbrosses streets, and the Hudson Terminal, 9:50 a. m. 1:45. Dinner at Glen Summit Springs Hotel, Glen Summit, Pa., as guests of the New York Florists' Club transportation committee. Arrive Rochester 7:45 p. m.

The committee has engaged the sixth floor of the Seneca Hotel, Rochester, N. Y., for the accommodation of the members of the Club and their friends. This hotel is within easy walking distance (about four blocks) of the Convention Hall and Exhibition.

The transportation committee will have a diagram of the floor and rooms on the train, so that assignments can be made and reservations allotted, saving much time and worry on arrival at Rochester. Rates are from \$1.50 per day up (European plan) according to location.

It is advisable, and particularly requested that members, their friends and delegates, notify the committee as early as possible as to their intention and number of the party who will travel with us on this special train de luxe. Entertainment and refreshment will be a special feature of the trip as usual.

From Quebec.

Vice-President Robinson writes that he expects a fairly good representation from Quebec. The intention of several of the craft is to attend the Convention of the Canadian Horticultural Society at St. Catherine's and take in the S. A. F. convention the following week at Rochester—a trip which everyone will thoroughly enjoy. Final arrangements will be made next week.

DIRECT PURCHASE FROM FRENCH GROWER WITHOUT PASSING BY DEALER

Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

Freesia Refracta Alba.

Etc., Etc., Etc.

SOLEILLET, Horticulteur, Toulon, France

From Florida.

Vice-president E. N. Reasoner writes that so far, no one in Florida has actually promised to attend the Convention, but as some of the members are already in the north on vacations he hopes that they will be in attendance and get all the good there is coming. He calls attention to the fact that Florida is growing now probably faster by influx of new people from other states and foreign countries, than any other state of the Union, and the florists and nurserymen are, of course, getting in shape to care for the increased business in sight.

From Texas.

Texas State Vice-president Robt. Millar writes from Dallas that he has not heard from all as yet, but has the promise of six to eight new members. All have expressed interest in the Convention, but there will not be a very large delegation to attend, although the R. R. offers very good rates for those who wish to go. At several southern places—New Orleans in particular—the wish has been expressed that the Convention would meet occasionally in the south. It would tend to increase interest and attendance among the many southern florists.

From St. Louis.

Otto G. Koenig, state vice-president for eastern Missouri, has sent out bulletin No. 1 as to his arrangements for the St. Louis delegation to Rochester. The arrangement is to take the "Knickerbocker Special" over the Big Four R. R., leaving St. Louis Monday, August 15, at 1 p. m., and arriving at Rochester Tuesday morning at 9:20. The fare is to be \$23.16 for the round trip and \$4 each way for sleeping berths. It is not thought at this writ-

ing that the local delegation will be large, but those going should advise the state vice-president at once.

THE SHAW BANQUET.

The twenty-first annual banquet to gardeners, florists and nurserymen provided for in the will of Henry Shaw, will be given at The Southern Hotel, St. Louis, on August 11th, 1910, at 7 p. m.

GARDENIAS

Splendid stock, luxuriant in every respect.

A few surplus plants from the best stock in the country.

100 plants well branched, 3 inch pots, \$10.00. 100 plants well branched, 4 inch pots, \$15.00. Cash.

GARDENER Care Horticulture

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

"The Palms You Shipped Us Arrived in Good Condition and They Are Excellent Plants"

These are the words one of our customers in acknowledging recently the receipt of a shipment of Palms from us. To emphasize their approval, they enclosed with the above letter an order more than twice as large as the first one. It was welcome news to us, and it has a big and important meaning for you, too. Heacock Palms please our trade because they are so unusually good; they will please your customers for exactly the same reason. When they come to you for palms, you can give them quality and the full worth of their money by supplying them with Heacock Palms. A trial order will convince you, and will show you, like this customer and scores of others, can make a handsome profit from a Palm Department. Look over the following list, then put an order up to us—give us a chance to prove the quality of our stock.

ARECA LUTESCENS

6-in. pot, 3 plants in pot, 26 to 28-in. high.....	Each \$1.00	8-in. pot, 3 plants in pot, 36-in. high.....	Each \$2.50
7-in. pot, 3 plants in pot, 30 to 32-in. high.....	2.00	8-in. pot, 3 plants in pot, 42-in. high.....	3.00

COCOS WEDDELIANA

2 1/2-in. pot, 8 to 10-in. high.....	\$10.00
Per 100	

MADE UP KENTIA

FORSTERIANA

7-in. tub, 4 plants in tub, 36-in. high.....	Each \$2.50
9-in. tub, 4 plants in tub, 42 to 48-in. high.....	4.00

KENTIA BELMOREANA

5-in. pot, 6 to 7 leaves, 18-in. high.....	Doz. \$6.00	100 \$50.00
6-in. pot, 6 to 7 leaves, 20 to 24-in. high.....	Each \$1.00	Doz. \$12.00
9-in. tub, 6 to 7 leaves, 42 to 48-in. high.....	5.00	
9-in. tub, 6 to 7 leaves, 48 to 54-in. high.....	6.00	

PHOENIX ROEBELENI

5-in. pot, nicely characterized, each \$1.00 | 6-in. pot, nicely characterized, each \$1.50

"When in Philadelphia be sure to look us up"

Joseph Heacock Company, Wyncote, Pa.



CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

At a regular meeting of this society July 26 it was voted to have a ball on the evening of Sept. 20, following the close of the September exhibition, and a committee, consisting of Andrew S. Meikle, Wm. F. Smith, John T. Allan, John B. Urquhart and John A. Forbes, were appointed to make necessary arrangements. Nine judges for the September show were also appointed and are as follows: Richard Gardner, John T. Allan, John A. Forbes, Wm. Mackay, Bruce Butter-ton, Alex. MacLellan, John P. Hammond, John Mahon and Andrew S. Meikle. They will be divided into three sets so as to get the work done as quickly as possible, the schedule being long and keen competition being fully expected.

The exhibition table was made attractive by a fine sample of large red gooseberries, seedlings from the well-known "Industry." They were examined by a committee and awarded a first-class certificate of merit. The exhibitor was Samuel Speers, gardener at the Green estate.

The following judges were also appointed for the public school gardens: John P. Hammond, James J. Sullivan and Colin Robertson. The society has had good proof in the past that the little amateur gardeners are deserving the encouragement given them to cultivate their little plots of flowers and vegetables, and the action of

Mrs. Lorillard Spencer in donating the prizes may well be imitated at other places.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Secretary Mulford has issued the program for the annual convention of this Association, to be held at Harrisburg, Pa., on August 9 and 10, and at Gettysburg on Aug. 11. An automobile trip through the parks and parkways of Harrisburg will be a part of the program on the first day. Papers are expected from W. H. Dunn, of Kansas City, Mo., on "The Latest Conclusions About Road Surfaces." Peter Bisset, of the Bureau of Plant Industry, Division of Seed and Plant Introduction, Washington, D. C., on "Some Recent Tree and Shrub Introductions." J. Horace McFarland, Harrisburg, Penn., President of the American Civic Association, on "Some Phases of the Social Aspect of Park Development." Geo. W. Ehler, Baltimore, Md., Secretary of the Public Athletic League of Baltimore, on "Playgrounds." Hans J. Koehler, of Brookline, Mass., on "Park Planting Material and Its Placing." J. W. Rodgers, of Cincinnati, O.; F. W. Barclay, Wilkes-Barre, Pa., and it is also hoped E. B. DeGroot, of Chicago, will speak on some playground topic.

The meeting of the Horticultural Society of Chicago, as announced for last Tuesday, has been postponed till August 2nd, a quorum not being present.

NEW ORLEANS HORTICULTURAL SOCIETY.

This Society celebrated its 25th anniversary on the evening of the 21st inst., at Gundorfs Pavilion, West End. The membership now numbers a little over fifty, and forty-five members were present at the meeting. Vice-president Doescher was in the chair. The financial statement of the treasurer showed the funds of the Society to be in a flourishing state. Richard Eichling and R. E. Simon were unanimously elected as president and vice-president respectively. Mr. Eichling, a native of Germany, has been grower for U. J. Virgin for a long period and comes from a long line of gardeners. He is painstaking and methodical to a degree and the interests of the Society are safe in his hands. Mr. Simon is a native of this city and is at present connected with the Metairie Ridge Nursery Co. His genial personality is a strong asset and with such a pair of hustlers the Society is bound to progress. C. R. Panter and Jno. Eblen were elected as secretary and treasurer, respectively, by acclamation. Mr. Eblen has been treasurer since it was originated and his unselfish devotion to its interests has been unceasing. H. Papworth brought before the meeting the desirability of asking the S. A. F. to hold its annual convention in this city during the Panama Exposition in 1915, and it was unanimously agreed that Mr. Papworth should present the invitation to the



Araucaria Excelsa

Dreer's Special Offer of ARAUCARIAS

ARAUCARIA EXCELSA (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

4-inch pots, 5 to 6 inches high, 2 tiers.....	Each
5-inch pots, 10 to 12 inches high, 3 tiers.....	\$0.30
6-inch pots, 13 to 15 inches high, 3 to 4 tiers.....	.60
6-inch pots, 14 to 16 inches high, 4 tiers.....	.75
7-inch pots, 16 to 18 inches high, 4 tiers.....	1.00
	1.25

ARAUCARIA EXCELSA GLAUCA

5-inch pots, 8 inches high, 2 tiers.....	.75
6-inch pots, 10 to 12 inches high, 3 tiers.....	1.00
7-inch pots, 13 to 15 inches high, 4 tiers.....	1.50

ARAUCARIA ROBUSTA COMPACTA

6-inch pots, 8 inches high, 2 tiers.....	1.00
6-inch pots, 10 to 12 inches high, 3 tiers.....	1.25
7-inch pots, 12 to 14 inches high, 3 tiers.....	1.50

MIXED FERNS FOR DISHES

We have at all times a good supply of these.

2 1/4-inch pots.....	\$3.50 per 100; \$30.00 per 1,000
----------------------	-----------------------------------

For the most complete list of seasonable stock that can be offered at this season of the year, see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

Henry A. Dreer, Inc., 714 Chestnut Street, Philadelphia, Pa.

society at its convention in Rochester.

The meeting then adjourned to the banquet hall where an enjoyable menu served in good style was partaken of by the members and invited guests. Toastmaster Panter, who is fully the equal in this respect of a certain famous Ex-mayor of the City of Brotherly Love, was in great form and the "fun was fast and furious." President-elect Eichling on being introduced made a characteristic speech. He had the flag nailed to the mast and with the help of the members promised a great future for the Society. His remarks on this city as the "logical point" for the Panama Exposition, were well received and he was tendered an ovation at its close. Vice-president Simon promised his best efforts in pushing the Society along. Ex-city attorney Jno. F. C. Waldo, in speaking for the City of New Orleans, made the hit of the evening. A brilliant orator, he kept his audience in a continual roar. Mr. Waldo has long been a strong friend to the Society and the members present made their appreciation of the fact apparent by their applause. Mr. Panter then in a persuasive manner called on the members present to subscribe to the Exposition stock and they responded nobly. Ed. Baker, the first president of the Society was then called on and in a feeling manner presented to Treasurer Eblen a handsome umbrella in testimony of the affection and respect of the members. Mr. Eblen was very much taken aback and returned thanks in a broken manner. Recovering he gave a nice resumé of the ups and downs of the Society and prophesied clear sailing in the future. H. Papworth, H. A. Despommier, Paul Abele and C. Eble gave interesting talks and pointed out to the younger members the responsibilities resting on their shoulders. P. A. Chopin waxed eloquent on the subject of "The Ladies," without the least trouble. H. Dressell, on being congratulated on his success with roses, replied modest-

ly. R. Lockerbie spoke for the trade papers, Mr. Pfaff for the honorary members, Mr. Taylor and Mr. Drum for the visitors. A vote of thanks was accorded to the host and hostess, after which the most successful and enjoyable anniversary of the Society came to an end. The tables were beautifully decorated with roses, asters and lilies from Mr. Papworth and Mr. Virgin. A cablegram from M. Alost, who is in Europe, as well as a telegram from Otto Abele, who is now on his way to Germany to visit his invalid mother, were read during the evening.

NORTHERN INDIANA FLORISTS' ASSOCIATION.

The annual meeting of the Northern Indiana Florists' Association was held at Winona Lake, Ind., July 20. At this meeting articles of incorporation were adopted and the following officers were elected: President, W. W. Dederick, Warsaw, Ind.; vice-president, Harry White, N. Manchester, Ind.; secretary and treasurer, A. J. Wagoner, Columbia City, Ind.

Directors.—1 year, D. C. Noble and A. J. Wagoner, Columbia City; 2 years, Geo. Pastor, Huntington, and J. H. Shelton, Rochester; 3 years, J. S. Stuart, Anderson, and W. S. Kircher, Rochester.

The next meeting will be held at South Bend, Ind., on the third Wednesday in October.

While this association is still in its infancy it has a wide range of members in the northern part of the state and we hope to enroll every florist in the territory.

A. J. WAGONER, Sec'y.

ELBERON HORTICULTURAL SOCIETY.

This Society held a meeting on the 18th of July. Joseph A. Manda read a very interesting paper on the culture of orchids. We are sorry to announce that our treasurer, Peter Ewen, tendered his resignation on ac-

count of him leaving the district. He takes up his new position on August 1st as gardener to Henry Phipps, Roslyn, L. I. The Society wishes him every success. Charles O. Duncan was elected treasurer for the remainder of the term.

The points in prize competition were as follows: A. Bauer, 88 for *Oncidium sarcodes*; Wm. Seymour, 85 for *gladiolus* Mrs. Francis King; C. O. Duncan, 79 for *Pandanus Veitchii*.

ALEX FLEMMING, Rec. Sec.

CLUB AND SOCIETY NOTES.

The Trustees of the Missouri Botanical Garden are making preparations to entertain the Apple Growers' Association who meet at St. Louis this month, the 10th and 11th, at the Planters Hotel. The Annual Show dinner will be one of the features of the entertainment. The membership of this association includes fruit growers from all parts of the United States and Canada. The program is in course of preparation by T. C. Wilson, the secretary of the association.

The Pacific Coast Horticultural Society, San Francisco, Cal., held its first annual outing at Camp Taylor, July 24th. All the florists' shops in the city closed on that day for the first time in the history of San Francisco. It is a co-operative organization and plans to take up the question of one day off in seven in the near future. Arrangements are being made for the Society to enter the Admission Day parade with a floral float to cost in the neighborhood of \$2,000, and which is expected to be the most beautiful of its kind ever seen in the city.

Fairfield, Ia.—The Wray Greenhouse business on North 3rd street has been purchased by E. H. Montgomery. Mrs. Wray intends to locate in Salt Lake City, Utah, for the present.

NEW BABY RAMBLERS

ROSE ORLEANS and Mrs. TAFT

Imported field grown stock of last year's elegant French Novelties: Mistress TAFT, crimson pink; ROSE ORLEANS, bright pink, white eye; both force readily, foliage healthy, by far preferable to the Old Baby Rambler. Fall delivery f.o.b. N. Y. duty paid: \$20.00 for fifty; \$37.50 for one hundred. TRY these NOVELTIES now for winter flowering and for Easter forcing! Address

AUGUST RÖLKER & SONS, NEW YORK, 31 Barclay St., or P.O. Box 752

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of NEPHROLEPIS, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson NEW YORK

During Recess

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual picnic of this Club was held on Thursday, 27th, at Pine Banks Park, Malden, and in every way proved one of the most enjoyable outings this flourishing organization has held. A goodly number had gathered when the athletics commenced at 10 a. m., but by noon fully five hundred people were in attendance, and all the events were keenly contested.

The first event in the games was a baseball game between the Commercial and Private Gardeners, the former being captained by A. E. Walsh, and the latter by R. W. Curtis, and after a spirited contest, resulted in a win for the Commercials by 5 to 2. A game of baseball for boys of 16 and under was won by the team captained by Tom Westwood, score 8 to 3. Alfred Hall was captain of the losing side.

Following is the list of other contests with names of the winners:

100 yards handicap, 1st, Wm. Iliffe, 2nd, T. T. Brown; 100 yards, Boys under 15, 1st, T. Iliffe, 2nd, T. Lothrop, 3rd, Arthur Whyte; 50 yards race, married Ladies, handicap, 1st, Mrs. Fred Coles, 2nd, Mrs. H. Woods, 3rd, Mrs. J. Kirkegaard; Quoit match won by Duncan Finlayson, 1st, Wm. Monroe, 2nd, and Kenneth Finlayson 3rd; 50 yards race, handicap, Girls under 8, 1st, Marion Iliffe, 2nd, Frances Terry; High jump, 1st, J. Comerford, 5 ft. 1 in., 2nd, W. J. Collins; Flag race, Girls under 15, 1st, Mabel Lally, 2nd, Edith Iliffe; Putting 16 lb. shot, 1st, J. Comerford, 38 ft. 3 in., 2nd, John Reed, 3rd, Wm. McGillivray; Flag race, married Ladies, 1st, Mrs. Fred

Coles, 2nd, Mrs. H. F. Woods, 3rd, Mrs. Ferguson; 50 yards race, unmarried Ladies, 1st, Harriet Coles, 2nd, Alice Iliffe; Sack race, men, 1st, T. S. Brown, 2d, W. J. Collins; Sack race, boys, 1st, Thos. Westwood, 2nd, Jack Sisson, 3rd, Thos. Iliffe; 240 yards race, men, 1st, W. J. Collins, 2nd, J. Comerford; Fat mens' race, 1st, John Lally, 2nd, D. Iliffe, 3rd, J. L. Smith; Broad jump, 1st, W. J. Collins, 2nd, H. Coles; Three-legged race, men, 1st, Collins and Reid, 2nd, Palmer and Iliffe; Three-legged race, boys, 1st, T. Westwood and J. Sisson, 2nd, Wm. Westwood and F. Hargraves; Half-mile race, 1st, John Reid, 2nd, David Burns; 50 yards race, boys under 8, 1st, Arch. Terry, 2nd, Prescott Whyte, 3rd, M. Craig; Tug of war, 11 men a side, commercial vs. private gardeners, captains, Thos. Pegler and D. Findlayson, resulted in a win for the privates after a hard pull; Special consolation prizes for girls under 12 and boys under 12, 1st, girls, Margaret Iliffe, 2nd, Theresa Lally; 1st, boys, Fred Holbrow, 2nd, J. Riggs.

The judges, Messrs. Kenneth Finlayson, A. E. Thatcher, Thos. H. Westwood and James Wheeler were kept on the jump from start to finish and rendered satisfactory verdicts. Ringmaster W. J. Kennedy was inimitable and everybody else, including officers, committees, umpire and scorer filled their part nobly. More than half the number in attendance were ladies and children. It was a lovely day as to weather and nothing occurred to cast a cloud upon the proceedings. The location, Pine Banks Park, is ideal for the purpose of a day's outing.

ST. LOUIS FLORIST CLUB OUTING.

This much-talked-of event came off on Thursday, July 21st, at Ramona Park. The attendance was as large as at any of the previous outings and well behaved as usual. The day was ideal for an outing and all day long

the cars for Ramona Park were crowded with florists and their families seeking a day's pleasure, and they surely had it this year. Charles Schoenle announced that his assistants could not be present owing to business, so Albert Gams and Frank Windler were appointed to their places and they did yeomen's work all day long. The younger element predominated this year and they had a good time at the games all over the grounds and in the dancing pavilion. The reception committee, Messrs. Fillmore, Beneke and Pilcher, did their part well and worked hard for success. The ball game between teams made up of employees of Bentzen and Sanders was won by the Sanders team by a score of 8 to 2. Rooters for each team had a hot time especially among the young ladies who had to be kept apart on opposite sides of the diamond, so exciting was the game. Alice Jablonsky won the first race, a 25-yard dash. Mrs. A. T. Jablonsky won the egg and spoon race in the married ladies' class. Harold Briggs won in the 50-yard dash for boys under 16. In the girls' potato race Miss Alice McHenry won. In 50-yard dash for girls under 16, Miss Jennie Bolard was the winner. Young Phoenix Jablonsky won the hop, step and jump for boys under 16. The next race was the fat men's, but the scarcity of fat men put the event into the 35 and over class for men. This was run in two heats and was finally won by J. J. Beneke, the oldest man in the contest. C. Delbrow came in second. The prize was a hat. The tug of war was easily won by W. C. Smith's team of

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼ oz., 75c; ½ oz., \$1.50; ¾ oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	½ oz.	¾ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50		
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00		
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00		
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50				
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00		

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeiflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye..	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black...	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white..	.10	.50	1.50

heavy weights. The St. Louis Seed Co. donated a fine bird and cage for a guessing contest on a jar of seed. The closest guess was made by Herman Weber, son of F. C. Weber, and he was declared the winner. The prize waltz was the last on the program and was won by Miss Beyers and Ed. Gerlach; second, Miss Klockenkemper and Carl Weber. Official photographer Kuehn took a group photograph of all present. The 1910 outing will go down as the best ever given.

CINCINNATI FLORISTS' SOCIETY.

The annual picnic of the Cincinnati Florists' Society was held at the Country Club, Carthage, Ohio, Thursday, July 21, a large and enthusiastic crowd consisting of members of the trade, their families, employees and friends, were in attendance. The outing committee composed of C. E. Critchell, Wm. Murphy, Max Rudolph, Gus Adrian and Frank Dellar, merited great credit for the able manner in which they managed the picnic. The day was perfect, the crowd sociable and good natured and all those who attended voted the outing the best the Society has ever held. Racing, tug of war, baseball and waltzing, were on the program of sports and everyone was an interested spectator or participant. The following were the prize winners:

Boys ball game won by Store Boys; Boys foot race, age limit 12 yrs., Master Kahn; Boys foot race, 12 to 15 yrs., B. Davis; Young Ladies foot race, Miss Laura Pfeiffer; Boys' foot race, 15 to 19 yrs., Charles Windram; Fat man's race, J. T. Conger; Tug of war, Mrs. K. Zitscher (Captain); Sack race, Boys, W. Dellar; Foot race open to all, A. C. Heckman, Jr.; Tug of war (men), Wm. Murphy (Captain); Ladies' egg race, 1st race, Miss Jennie Adrian; Ladies' egg race, 2nd race, Mrs. Ernest Manthey; Tug of war (boys), Sidney George (Captain); Shooting contest, C. C. Murphy; Swimming contest, Chas. Windram; Ball game (men), was won by the growers, in a very one sided contest, score 18 to 1; Prize waltz won by 1st, Mr. Ernest Manthey, Miss Herksley; Prize waltz, 2nd, Mr. Albert Heckman, Jr., Miss Jennie Adrian; Prize waltz, 3rd, Mr. and Mrs. Ray Murphy.

A PHILADELPHIA CATASTROPHE.

The burning question in some of the Philadelphia wholesale centres this

FERNS IN FLATS

We can still offer these varieties

Pteris Wimsetti

- " Mayii
- " Hastata
- " Magnifica
- " Gilberti

Pteris Adiantoides

- " Serrulata
- " Serrulata Var. Cristata
- " Cretica Albo-lineata
- " Aspidium Tsussimense

About 110 clumps per flat. Price \$2.00 per flat. Cash with order for less than 5 flats or from other than regular customers.

Shipments go by express during July and August

McHUTCHISON & COMPANY, 17 MURRAY ST. NEW YORK

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

week is: "Who upset the boat?" Geo. Faulkner says his back was turned and the first thing he knew he was in the water, so why should he know. J. McIntyre says he has crossed the Atlantic 26 times and surely ought to know enough not to upset a boat. Edward Reid says anyone who knows enough to run an auto ought to be above suspicion. Gilbert Baker was the only other one in the party and we presume the only way he can get out of it will be to prove an alibi. The tragedy took place at Lake Almonessing on the 23rd. Ed. Reid had taken the quartette down on a Saturday afternoon joy ride in his auto. Ed. was the life saving hero and also ambulance corps.

Cincinnati.—About forty retail and

wholesale florists and a few friends attended a banquet held at Labold & Newburgh's Saturday evening, July 23. P. J. Olinger acted as toastmaster. The banquet broke up in the wee small hours of the morning.

Bluff Point, N. Y.—A nursery of 18 acres has been started near here by the Delaware & Hudson Railroad. Two-year white pine, Scotch pine and Norway spruce are being planted and over a million seedlings will be raised in the seed beds. Planting will be done along the Chateaugay branch. Two hundred and fifty thousand oak seedlings will be raised at the nursery which has been started in Oneonta. The present Wolf Pond nursery will be used for the storage of present stock.

COLD STORAGE—THE MODERN METHOD

First, we got to the point of having Roses all the year round; then Valley; then Lilies. Cold storage did it for the latter two, and there is now as much money in them every month as at Christmas or Easter.

SPECIAL OFFER EASTER LILY BULBS (*Giganteum*)

The best and cleanest of all the Easter Lilies. Sold in original case lots only. When received, unpack and pot immediately. Will flower in ten to twelve weeks.

6-8 inch, 400 to case, \$24.00 per case; \$60.00 per 1000.

7-9 inch, 300 to case, \$24.00 per case; \$80.00 per 1000.

SPECIAL OFFER SPECIOSUM LILIES

Cold storage stock such as we offer will flower quicker and bring good returns. Two varieties.

Melpomene, 8-9 inch, 200 to case, \$15.00 per case; \$72.00 per 1000.

Rubrum, 8-9 inch, 200 to case, \$12.00 per case; \$57.00 per 1000.

HENRY F. MICHELL CO., Philadelphia

Two Stores: 1018 and 518 Market St.

Tested Reliable Seeds, Bulbs, Plants

Seed Trade

Crop Shortages.

Since our last crop news, conditions have not materially improved; in fact, it is more evident than ever that the numerous crop shortages predicted in this paper from time to time, will certainly prove as severe as the most pessimistic believe.

Peas will prove the shortest crop, if all indications up to this time are not misleading, and it looks as if the large-podded varieties had suffered the most, though the bad season has certainly not played favorites to any marked extent. In Michigan we are informed that the crop generally is extremely light, the yield being only from two to three-fold with now and then a spot a little more favored by moisture which has given better results.

In Wisconsin the results have been more irregular, a few sections showing almost average yield, while others are down to two and two-and-a-half fold. It really looks as we were going to have a new, high record of prices on peas this year and everyone who is fortunate enough to have carried any over certainly has had money at interest.

It becomes more evident as the season advances, that beans will be short, though every one fervently hopes they will not be as short as peas. Corn is in the same class, and it is only a question of how short the crop will be. Neither crop is yet sufficiently advanced to estimate results with any definiteness and this must be left for the future.

Vine seeds are now added to the list of shortages, but beyond this bare statement no information can be given. We shall try to give further news about crops in general as rapidly as information reaches us.

The Production of Vegetable Seeds

In response to a demand for greater knowledge of the cultural methods which are best adapted to seed crop growing for certain vegetables, the U. S. Department of Agriculture has just issued a new publication, Bulletin 184 of the Bureau of Plant Indus-

try, under the title "The Production of Vegetable Seeds: Sweet Corn, Garden Peas, and Beans." This publication discusses this whole subject very thoroughly and gives instructions for securing crops of seeds for these different species.

The following press notice of the Bulletin has been received from the Division of Publication:

There is profit in raising high grade seed. Seed crops of sweet corn, garden peas, and beans of good quality are in ever-increasing demand, and the quantity needed yearly has become so large that the seedman is obliged to have the major portion of his stock grown for him by others. Within the past few years there has been an enormous increase in the quantity of seeds produced for commercial purposes. This has been due in large measure to the development of seed growing and handling as a business. There are now nearly one thousand seed firms doing business in the United States. One of the largest of these use buildings with an aggregate floor space of more than 16 acres. This space is much larger than was occupied by the entire seed trade of the country only fifty years ago. The quality also has vastly improved. One of the most encouraging developments in the growing of garden vegetables is the increasing recognition of the practical importance of using pure and uniform stocks of seed whose varietal characteristics adapt them to distinct local conditions and market requirements. Another consideration is the fact that the growing of seed crops of these vegetables can be undertaken without any radical change in farm practice or material increase in farm equipment. These conditions make this industry well worth the attention of farmers who are located where soil and climatic conditions are favorable for the best development of such seeds.

However, the raising of these vegetables for seed crops is not recommended for all circumstances, even when soil and climate are suitable. The farmer who contemplates undertaking seed crop farming, will do well to consider thoroughly the many elements which enter into profits. Seedsmen are often able to place contracts

for growing seed at very low prices—even lower than that at which grain of the species can be sold on the market. Such a condition might be due to any of several causes, but usually rests on an over supply or a demand for an inferior product. The general tendency now, however, is decidedly in the other direction, and both seed dealers and seed growers can do much by co-operation to further this tendency.

Dealer should not buy by samples, no matter how good the samples may be, but should endeavor to limit his supply to seed which he knows was grown from pure and true stock seed and, as far as possible, to that which was subject while growing to his own inspection. Knowledge, experience, and care, on the part of the grower will, also contribute much to a higher standard, and consequently to higher prices and better market conditions generally.

Notes.

St. Joseph, Mo.—The Farber Seed Co. will increase its capital stock from \$5,000 to \$10,000.

Manitowoc, Wis.—The Manitowoc Seed Co. is erecting a large concrete addition on South 10th street.

New York, N. Y.—A new seed and flower store has been opened at 156 West 34th street by Kennedy & Hunter.

Bloomington, Ill.—The new seed house of the G. D. Sutton Co. will be 40 x 140 feet, two stories in height. New heating and drying apparatus will be installed. Lloyd Ellsberry will be manager.

Formosa longiflorum lily bulbs in 6 to 8 sizes are very scarce this year. There are plenty of the larger sizes. The latter are not popular with the forcing trade as they do not throw proportionately as many flowers as the smaller sized bulbs. The 7 to 9 size seems to give the greatest satisfaction.

INCORPORATED.

Spokane, Wash.—Inland Seed Co., capital stock \$50,000. John Anderson and H. Church incorporators.

LEONARD SEED CO.

CONTRACT CROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS

FLOWER SEEDS **Get Our Prices** 79 and 81

E. KINZIE STREET, **CHICAGO**

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures. 2000 seeds 50c., 5000 seeds \$1.00, $\frac{1}{4}$ ounce \$1.25, ounce \$5.00, pound \$50.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades. Trade pkt., 25c., any five \$1.00, 12 pkts., one of each variety, \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 seeds of Rainbow free, and with other amounts in like proportion.

CHAS. FROST
Kenilworth
N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN
ROCHESTER, - N. Y.

DUTCH BULBS

We forward free to destination, collections of Bulbs as grown here from \$5.00 to \$25.00. Terms—Cash with order. Write for collection and you can see what we send.

Apply to

The Dutch Bulb and Seed Growers Co.
Haarlem (Holland)

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

ESTABLISHED 1820

Thorburn's
Bulbs

LILIUM HARRISII

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Price

Inquiries Solicited

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE

Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.

47-54 No. Market St., BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

CHEER UP!

French Bulbs will soon be in. Bremond's stock. The very best produced.



Not How Cheap
But How Good

Write for prices on
Horseshoe Brand.

RALPH M. WARD & CO.

12 West Broadway

NEW YORK

CINERARIA

Hyb'd Large Flowering

Trade Pkt. \$1.00

WM. ELLIOTT & SONS,

42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'kt. 50c; $\frac{1}{4}$ -oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE
SEEDS
FOR THE
FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Columbus, Ohio.—Miami Floral Co. has increased its capital stock from \$50,000 to \$75,000.

Oakland, Cal.—Elmhurst Floral Co. will make their headquarters at 512 Thirteenth street.

Evansville, Ind.—The Blackman Floral Co. have given notice of an increase of capital stock from \$5,000 to \$10,000. William Blackman is president.

Paterson, N. J.—The Paterson Floral Co. is now located at 227 Market street and is known as the Flower Shop, the name Paterson Floral Co. having been dropped.

Adrian, Mich.—The Maple City Floral Co. has been notified that they must move, as the building is to be replaced with a modern structure.

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow...	Aug. 5
Atlantic Transport.	
Minnewaska, N. Y. London...	Aug. 6
Cunard.	
Ivernia, Boston-Liverpool...	Aug. 2
Caronia, N. Y. Liverpool...	Aug. 3
Ulltonia, N. Y.-Mediterranean...	Aug. 4
French.	
La Touraine, N. Y.-Havre...	Aug. 4
Hamburg American.	
K. A. Victoria, N. Y. Ham'g...	July 30
Holland-America.	
Noordam, N. Y.-Rotterdam...	Aug. 2
Rotterdam, N. Y.-Rotterdam...	Aug. 9
North German Lloyd.	
Koenig Albert, N. Y.-Med'n...	July 30
K. Wilhelm II., N. Y.-B'men...	Aug. 2
P. F. Wilhelm, N. Y.-B'men...	Aug. 4
K. W. d'r G'sse, N. Y.-B'men...	Aug. 9
Red Star.	
Finland, N. Y.-Antwerp...	July 30
Vaderland, N. Y.-Antwerp...	Aug. 6
White Star.	
Arabic, N. Y.-Liverpool...	July 30
Tentonic, N. Y.-Southampton...	Aug. 3
Baltic, N. Y.-Liverpool...	Aug. 6
Romanic, Boston-Med'n...	Aug. 6
Cymric, Boston-Liverpool...	Aug. 9

They are at present located at 27 E. Maumee street.

Rochester, N. Y.—A new cold storage plant is being installed in the warehouse of George B. Hart, wholesale florist. It is to be 35 feet long with separate apartments for roses, carnations, etc.

Brooklyn, N. Y.—The flower business is certainly coming into its own at last. We learn that the cut flower department at Losier's, under the capable management of Mr. Trepel, has overwhelmed the banking department and the area hitherto devoted to the latter is to be absorbed for the cut flower sales section.

The Cymric of the White Star line, which sailed from Boston on July 12, with a big saloon list was a veritable floating flower show. Steamer demands have a welcome factor in the trade of the city flower stores during the past four weeks.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

**GEO. A. HEINL, LEADING FLORIST,
TOLEDO, OHIO**
ALL ORDERS PROMPTLY EXECUTED

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. June weddings and graduations are over and for a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Items.

Last Sunday was daisy day at the Blackstone Hotel, and J. Mangel had the dining room beautifully decorated with Shasta daisies in immense quantities.

Strail & Hahn had the floral end of the opening of the Potthast restaurant, corner of Franklin and Madison Sts., Monday. It was done with long-stemmed American Beauty roses.

O. Friedman is planning to open his new store two doors north of the well known Hauswirth store, now closed, and which he hopes to have ready for use during the Knight Templars' Conclave.

The Land Show which will be held again this year in the Coliseum, will extend their time from Nov. 4 to 28. This exhibition of the products of the various states as well as many other features were of much interest to florists last year and will no doubt have still more for them this year.

At the E. H. Hunt supply house was seen the first steel hose shipped here. It looks as if it were nearly, if not quite, as pliable as rubber, and if it proves to be of as enduring qualities as is claimed by the manufacturers, it will prove a boon to florists. At any rate its appearance is greatly in its favor.

The coming of the Knight Templars for their 31st Triennial Conclave, is

an event of considerable importance to florists, many of whom are located close to their headquarters. Many are planning to have their windows appropriately decorated. Several of the largest hotels have their rooms all engaged and quantities of flowers will be needed.

Several of the down-town florists had a nice increase to their July sales by the flowers used at the funeral of Ira G. Rawn, of Willmette. Two covers, one by Fleischman, of white Killarneys and lily of the valley, and one by Lang, of pink and white Killarneys with panel of white sweet peas, were used over and beneath the casket, while the various other offerings included a number of large wreaths of unusual size and beauty. For the latter Liliun auratum came in especially nice.

Vacation Notes.

Miss Else Schnapp left Monday for a two weeks' rest and the Alpha will be without its popular saleswoman. C. M. Dickinson is at Pelican Lake, Wis. Clara Burkhardt, of the supply department at E. H. Hunt's, is enjoying a well earned rest. Frances Brundage is having a vacation at La Harpe, Ill. O. J. Friedman is with his family at Charlevoix, Mich. Miss Margaret Gruenig, maker at Fleischman's, is in the east visiting her old friends. Miss Gruenig was formerly with the Fleischman Co. in New York, but has become much attached to Chicago. Tom Fogarty is in Michigan, fishing. Easier work than trying to buy good flowers just now. The sympathy of the trade is extended to Peter Miller, with the Fleischman Floral Co., who lost his mother during his visit at Indianapolis. Mr. Miller was given an extra week to spend at his old home.

Personal.

Mr. and Mrs. Chas. McKellar reached Boston this week on their automobile tour and will go to Portland, Maine.

A letter from A. Lange announces the safe arrival of himself and family in Omaha, Neb., where they are spending a few weeks with Mrs. Lange's parents.

G. H. Pieser, who has been out of health for over a year is not gaining very rapidly and will soon take a trip which his friends hope will be of benefit to him.

Mike Fink, of Kennicott Bros., will enjoy a trip to New York at the ex-

pense of the firm. A good way to show the appreciation of the firm which he has served faithfully.

Lloyd Vaughan and family have returned from an outing near Minoqua, Wis., where their stay was not all rest and relaxation. The forest fires came so near them that a close watch-out was necessary for a week to insure their safety, and the first opportunity was taken to make their retreat. Mr. Vaughan says it will take a week to recover from that vacation.

Visitors—Mr. Frey, Lincoln, Neb.; Mrs. Chas. Schulz and daughter, Mrs. Ludwig, Menominee, Mich.; S. Kuechenmeister, Wichita, Kas.; John Stamm, Hutchinson, Kas.; Alpha Alberfeld, of the Alpha Floral Co., Kansas City, Kas.; W. H. Troyer, Elkhart, Ind.; John C. Lapes, Cedar Rapids, Ia.; G. L. Grant, Los Angeles, Cal.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1708 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2130-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Heintz.
 Toronto, Can.—J. H. Dunlop, 96 Young St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

NEW FLOWER STORES.

Tacoma, Wash.—John Watson, 11th street.
 Cleveland, Ohio.—C. B. Wilhelmy, 3610 West 25th street.
 San Francisco, Cal.—Epstein, St. Francis Hotel, Geary street.
 St. Louis, Mo.—Alexander Geranios, Grand avenue and Olive streets.

**NEW ENGLAND
FLOWER DELIVERIES**
 Send flower orders for delivery in Boston
 and all New England postage
THOS. F. GALVIN
 124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
 1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
 153 Lake Street, Kendallville, Ind.
 Mention Horticulture when you write

ASTERS per 100 \$1.50-\$2.00

Our supply of Asters is at its best now. Use them instead of Carnations, whenever you can, as they are the best value in cut flowers at this time of the season.

ROSE PLANTS

White Killarney, 1 year old plants . . . \$18.00 per 100
Ivory, 3 inch pots . . . \$6.00 per 100—\$50.00 per 1000

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

A. MOLTZ

MAURICE L. CLASS

A. Moltz & Co. WHOLESALE FLORISTS

Purchase in New York Wholesale Markets on order and can supply at favorable prices all varieties of cut flowers in selected grades and any quantity.

Open from 5 A. M. to 6 P. M.

COOGAN BLDG., 55-57 WEST 26 ST.

Telephone 2921 Madison Sq. New York City

ASTERS

QUEEN OF THE MARKET

Choice stock, good flowers and good stems.
\$1.00, \$1.50, \$2.00.

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584, 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO July 26	TWIN CITIES July 26	PHILA. July 26	BOSTON July 28
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	17.00 to 25.00	15.00 to 20.00
“ Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	10.00 to 15.00
“ No. 1.....	10.00 to 15.00	10.00 to 15.00	8.00 to 12.00	6.00 to 8.00
“ Lower grades.....	3.00 to 5.00	4.00 to 10.00	5.00 to 6.00	1.00 to 3.00
Bride, 'Maid, Chateaux, F. & S....	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	2.00 to 4.00
“ Lower grades.....	3.00 to 4.00	2.00 to 4.00	3.00 to 5.00	.50 to 1.00
Killarney, My Maryland, Fan, & Sp....	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 5.00
“ Lower grades.....	3.00 to 4.00	2.00 to 6.00	3.00 to 5.00	.50 to 1.00
Richmond, Fancy & Special.....	5.00 to 8.00	6.00 to 8.00	5.00 to 8.00	2.00 to 5.00
“ Lower grades.....	3.00 to 4.00	3.00 to 6.00	3.00 to 5.00	.50 to 1.00
Kaiserin, Carnot, Fancy and Sp....	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00
“ Lower Grades....	3.00 to 4.00	4.00 to 6.00	4.00 to 5.00	.50 to 2.00
CARNATIONS, Nov. and Fan. 2.00 to 3.00				
“ Ordinary.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	.75 to 1.50
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00	25.00 to 35.00
Lilies.....	8.00 to 10.00	10.00 to 12.50	10.00 to 12.00	4.00 to 5.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Stocks.....	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	.25 to .50
Daisies.....	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	.25 to .50
Snopdragon.....	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	1.00 to 2.00
Gladioli.....	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	3.00 to 5.00
Sweet Peas.....	.35 to 1.00	.75 to 1.00	.50 to .75	.10 to .50
Gardenias.....	1.00 to 1.50	15.00 to 20.00	7.00 to 12.00	4.00 to 8.00
Adiantum.....	1.00 to 1.50	.75 to 1.25	1.00 to 1.50	1.00 to 1.25
Smilax.....	12.00 to 15.00	12.00 to 15.00	20.00 to 25.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	60.00 to 75.00	45.00 to 60.00	50.00 to 60.00	50.00 to 60.00
“ & Spreng. (100 bchs.)	25.00 to 40.00	25.00 to 35.00	50.00 to 60.00	50.00 to 60.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens, Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

ALWAYS GOOD,
FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
ROSE PINK ENCHANTRESS	7.00	60.00
WANOKA	6.00	50.00
VICTORY	7.00	60.00
MAY DAY	7.00	60.00
ENCHANTRESS	7.00	60.00
WHITE ENCHANTRESS	7.00	60.00
WHITE PERFECTION	7.00	60.00
SNOW FLAKE	6.00	50.00
GEORGIA	6.00	50.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
BOSTON MARKET	6.00	50.00
WHITE LAWSON	6.00	50.00
BOUNTIFUL	7.00	60.00
BEACON	7.00	60.00
O. P. BASSETT	6.00	50.00
HARLOWARDEN	5.00	50.00
MRS. KNOPE	6.00	50.00
CARNEGIE	6.00	50.00
YELLOW BEAUTY	7.00	60.00

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

**1608-20 Ludlow Street,
PHILADELPHIA, PA.**

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

BOSTON Business is very quiet this week. Reduced shipments help the situation somewhat, but even then the stock received is disposed of with difficulty. Roses of the most prominent market varieties are very poor and practically out of the running. Carnot, Kaiserin and Maryland are the only ones that have the requisite staying powers in the torrid weather which has prevailed of late. American Beauty is among the slow ones. Carnations are, as usual in July, scarce. Those that are of good quality are in demand and price is tending upwards. Asters are beginning to make an impression, those coming in now being of medium quality only. Sweet peas are very good as a rule. Gladioli begin to take a position in the lime light and will be more and more plentiful from week to week. Few orchids are in sight except Cattleya Harrisonii, which is not a good seller and the wholesalers have difficulty to unload the few that come in.

Things brightened up a little the past week and whatever stock came in was pretty well cleaned up at the end of the week. Gladioli have made their appearance, also asters, but they are of ordinary quality, the latter with short stems and flowers small. A good rain is needed badly. Carnations are falling off in supply, though some good blooms are still to be had. There has been a little better demand for lilies, lily of the valley, peas and Beauties than for some time past.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI July 26	DETROIT July 26	BUFFALO July 26	PITTSBURG July 26
ROSES				
Am. Beauty, Fan, and Sp.....	10.00 to 20.00	16.00 to 20.00	20.00 to 25.00	50.00 to 25.00
“ Extra	6.00 to 8.00	12.00 to 16.00	12.00 to 15.00	12.50 to 15.00
“ No. 1	4.00 to	5.00 to 12.00	7.00 to 10.00	8.00 to 10.00
“ Lower grades	1.00 to 3.00	3.00 to 8.00	2.00 to 4.00	..... to 4.00
Bride, 'Maid, Chatenay, F. & S....	6.00 to 8.00	6.00 to 8.00	5.00 to 6.00	10.00 to
“ Low gr.	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Killarney, My Maryland, Fan, & Sp.	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	8.00 to 10.00
“ Lower grades	2.00 to 3.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Richmond, Fancy & Special	4.00 to 6.00	3.00 to 9.00	5.00 to 6.00	8.00 to 10.00
“ Lower grades	2.00 to 3.00	5.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Kaiserin, Carnot, Fancy and Sp ...	4.00 to 6.00	6.00 to 9.00	5.00 to 7.00	8.00 to 10.00
“ Lower Grades	2.00 to 3.00	3.00 to 6.00	3.00 to 4.00	4.00 to 6.00
CARNATIONS, Novelties and Fancy				
“ Ordinary	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00	..... to
“ .....	.50 to	1.00 to 1.50	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas	40.00 to 60.00	..... to .....	..... to	75.00 to
Lilies	6.00 to 8.00	12.50 to 15.00	8.00 to 12.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Stocks .....	.50 to 1.00	2.00 to 3.00	2.00 to 3.00	..... to
Daisies .....	..... to .....	.50 to .75	.50 to 1.00	..... to 1.00
Snapdragon .....	.00 to 3.00	.50 to 1.00	1.00 to 2.00	..... to 4.00
Gladioli	3.00 to 6.00	..... to	3.00 to 4.00	..... to
Sweet Peas .....	.25 to .35	.30 to .50	.20 to .50	.25 to .50
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum	1.00 to .....	.50 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	..... to 15.00	15.00 to	12.50 to 15.00
Asparagus Plumosus, strings (100)	35.00 to 50.00	20.00 to 40.00	50.00 to 60.00	35.00 to 50.00
“ “ & Spreng. (100 bchs.)	25.00 to	20.00 to 40.00	25.00 to 50.00	..... to 25.00

The cemetery florists have been well supplied with achillea, corn flowers, candytuft, etc. Greens are in good supply.

CHICAGO A shortage in most lines of stock is the feature of the market this, the closing week of July, which has been a month of high temperature and small amount of rain. The nights have been warm as well as the days and stock has felt the heat severely. Some of the growers are still cutting fairly good roses from their old stock

and there are still some fair carnations coming into the market and the orders have been generally filled to the satisfaction of customers who expect summer stock in the summer. There is the usual variety of summer lilies and showy novelties. Some very presentable Beauties are seen and roses though small are considered up to the average for July. A few hours is sufficient for clearing up salable stock and those who must remain at their post find the hardest duty of

(Reports continued on page 151)

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 758
Madison Square New York**J. K. ALLEN****Wholesale Florist**

Established 1887. Open 3 A. M. Daily

106 W. 28 St., NEW YORK

Tel. 167 Mad. Sq.

AUGUST MILLANG

WHOLESALE FLORIST

41 West Twenty-Eighth Street

NEW YORK

'Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**P. J. SMITH**

Successor to JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND

CARNEDIAS, DAISIES, ROSES AND CARNATIONS

Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER** 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sun-
day till 10 a. m.

Tel. 5243 Madison Sq.

CUT FLOWERS

Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 23 1910		First Half of Week beginning July 25 1910	
American Beauty, Fancy and Special.....	10.00	to 25.00	10.00	to 25.00
“ “ Extra.....	8.00	to 10.00	8.00	to 10.00
“ “ No. 1.....	5.00	to 8.00	5.00	to 8.00
“ “ Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	3.00	to 4.00	3.00	to 4.00
“ “ Lower Grades.....	.75	to 2.00	.75	to 2.00
Killarney, Maryland, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
“ “ Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
“ “ Lower Grades.....	.....	to .50	.....	to .50
Kaiserin, Carnot, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
“ “ Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
“ Ordinary.....	.....	to 1.00	.....	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

PHONES. 1664--1665 MADISON SQUARE

ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. { 1519
5893 } Mad. Sq. 113 W. 28 St., New York.**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hang-
ing Perfect Adjustable Plant Stands
and the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



For Sale By

John C. Meyer & Co.

1500 Middlesex Street, Lowell, Mass.

Take No Other.

Flower Market Reports

(Continued from page 149)

the day still awaiting them—that of passing away the time till another day brings the same story. All admit that the month has compared favorably with former years. Another week is expected to bring asters into the market in quantities.

The market here this week was exceptionally good for this season of the year. All kinds of flowers were very scarce early in the week with possible exception of gladioli and lilies, which helped to relieve the shortage of the market to a considerable extent. The latter part of the week found stock a little more plentiful, due partly to increased supply of asters, the demand cleaning up the market nicely from day to day. Of *Lilium longiflorum* and *auratum* a good supply is forthcoming and are the mainstays of the market on account of their keeping qualities. *Lilium speciosum* are received in limited quantities. *Calla ethiopica nana* are largely in evidence in funeral work. Beauties head the list in roses and sell well. Some of the growers are cutting nice stock from the plants especially grown for summer. Taft and My Maryland are easily the leaders in pink roses. What White Killarney are received are very short-stemmed and can only be used for funeral work. Other white roses are of very poor quality. The few carnations that are seen are small and poor, many having the appearance of being affected by spider. Green goods in fair supply and demand.

Cut flowers are very poor and show the effect of hot dry weather very much. As predicted before, early asters are a complete failure and such growers as Pautke and Damerow who could be interviewed on the subject estimate the cash loss on seeds and labor for asters alone at from \$400 to \$600. This causes a very heavy demand for carnations, and flowers which in winter would not be looked at are bringing now from \$1.50 to \$2.00 per hundred. Robt. Klagge is now shipping some very good Kaiserins, which helps the rose situation a good deal. Of course there are a good many short roses coming in, but they are only fit for funeral designs, for which there is little call.

The past week has witnessed a radical change in the aspect of the flower market. The surpluses that worried and perplexed no longer

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 23 1910		First Half of Week beginning July 25 1910	
Cattleyas.....	40.00	to 60.00	40.00	to 60.00
Lilies.....	3.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Stocks.....	.....	to 1.00	.....	to 1.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	4.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spren. (100 bchs).....	10.00	to 15.00	10.00	to 15.00

exist and instead we see bare counters and general emptiness in the wholesale marts. Roses are conspicuously scarce and carnations are seldom seen. This does not particularly affect market values, however, as there is very little urgent demand for either. The most prominent feature at present is the crop of longiflorum lilies which is very heavy with some operators and sets one to wondering at the digestive powers of a market which can consume the enormous daily cut of this flower. One wholesaler, P. J. Smith, for instance, is receiving from seven to nine thousand blooms every day and they are all disposed of. Naturally the prices realized seem low in comparison with the figures we have come to regard as normal for lilies, but it is pointed out that the flowers are produced at this season of the year at a fraction of the cost under intensive forcing conditions in winter and the net result shows a profit for the grower. Cattleyas are few and far between just now. The selling price is what the possessor chooses to make but the wholesalers generally seem disposed to waive the present advantage in the desire to cultivate and maintain the popularity of the cattleya as a standard market flower, in view of the very large increase in production which is assured for the coming season.

PHILADELPHIA There was an improved tone to the market last week—not so much because of any increase in demand, but because flowers were in shorter supply. The old stocks are getting pretty well flowered out and there is not much of the new crops yet in evidence. Asters are improving right along both in quantity and quality. Gladioli were never finer and are selling O. K. There are some right good American Beauty roses arriving—a good many of the best being new crop. There is a noticeable im-

provement in Richmond and Liberty over the low ebb of a week or two ago. Maryland is holding its own as the best summer rose in pink. Killarney and White Killarney only fair. Kaiserins have improved slightly and are easily the best white at present. Carnations are a little better than they were, but that is not saying much. Cattleyas and lily of the valley normal. Sweet peas—locals about done; a few fair ones coming from northern points. Gardenias are all right yet—some right nice ones arriving. Water lilies a strong feature.

Fond du Lac, Wis.—A range of houses here have been leased by Leon Sawicki.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All in Stock

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengerii, extra strong, 3 and
3½ in. plants. \$4.50 per 100. Plant now to
cut from. O. B. Kenrick, 52 Alexander
Ave., Belmont, Mass.
Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lan-
caster, Pa.
Asparagus plumosus, 2 in., \$2.00; Spren-
gerii, 2 in., \$1.75 per 100. J. H. Dann &
Son, Westfield, N. Y.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway,
New York.
French Bulbs.
For page see List of Advertisers.
Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
For page see List of Advertisers.
H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
J. Soleillet, Toulon, France.
French Hyacinths, Narcissi and Freesias.
For page see List of Advertisers.
Dutch Bulb & Seed Growers Co., Haarlem,
Holland.
Dutch Bulbs.
For page see List of Advertisers.

CALIFORNIA-GROWN BULBS. Compe-
tent authority asserts that California-
grown bulbs bloom more freely than the
imported stock. We have a fine assort-
ment. Send for our price list. PARK
HILL FLORAL CO., Hemet, Cal.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
S. S. Pennock-Meehan Co., Philadelphia,
Pa.
Field-Grown.
For page see List of Advertisers.
CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
J. D. Thompson Carnation Co.,
Joliet, Ill.
For page see List of Advertisers.

Chrysanthemums Golden Glow, Pacific
Supreme, White Cloud, Polly Rose, E.
Snow, Pink and White Ivory, White and
Yellow Bonnafton, Georgianna Pitcher,
Golden Baby, etc.; R. C., \$1.25; Poehlmann,
Gloria, Baby Margaret, etc.; R. C., \$2.00;
Baby Margaret 2½ inch, \$2.75 per 100.
Mrs. Kelley, Pres. Taft, Golden King; R.
C., \$3.00. List 60 varieties. Stafford Floral
Co., Stafford Springs, Conn.

Chrysanthemums. Golden Glow, Poehl-
mann, Desjouis, Pacific, Roosevelt, Nonia,
Monrovia, etc., 20 varieties, strong rooted
cuttings, \$1.00 per 100. List. Edward
Wallis, Atco, N. J.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more we will pay the freight
east of the Mississippi. All orders west
of the river, we pay to the river. Sam-
ples of stock and prices on request. Climax
Manufacturing Co., Castorland, N. Y.
Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum. Large
flowering, mixed colors, fine bushy plants,
4 inch, \$10.00 per 100. Cash. J. W. Mil-
ler, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.
For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.

For List of Advertisers See Page 156

DECORATIVE PLANTS—Continued

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

A. Lenth Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechslin, 4911 Quincey Street,
Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
Ferns in Flats.

For page see List of Advertisers.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

JARDINIÈRE FERNS—5 best varieties.
2 1/4-in. pots, fine stock, \$3.00 per 100,
\$25.00 per 1000. Rose Hill Nursery, New
Rochelle, N. Y.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.

Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FLOWER POTS—Continued

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.

Geraniums, rooted cuttings of Riccard,
Poltevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

Geraniums. Ricard, 2 in., \$1.75 per 100.
J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GLAZING PUTTY

E. H. Hunt, Chicago, Ill.

"Elastic-Lyke"

For page see List of Advertisers.

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
tles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL—Continued

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip
gutter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
23 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.

E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotinoids kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 81 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.

ORCHID PLANTS—Continued

- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

- A. T. Gaddington, N. Y.
Giant Pansy Seed.
For page see List of Advertisers.
- Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.
For page see List of Advertisers.
- Henry F. Michell Co., Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York.
French Grown.
For page see List of Advertisers.
- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

- Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 468 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- Poinsettia, 10,000 strong 2½ inch plants,
\$5.00 per 100; \$45.00 per 1000. Cash please.
Keller Floral Co., Troy Rd., Albany, N. Y.

PRIMULAS

- Frank Oechslin, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

GOOD PLANT STOCK FOR SALE:

- 5000 American Beauties @ 8 cents; 2000
Maids @ 5 cents; 300 Gardenia (extra
fine) @ 15 cents. All in 4 inch pots.
Also 10 second hand 4 inch hot water
valves @ \$2.50 each.
Brant-Hentz Flower Co., Madison, N. J.
- The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
- Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.
- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 156

SEEDS—Continued

- W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.
- Arthur T. Boddington, New York.
Pansy Seed.
For page see List of Advertisers.
- Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.
- Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.
- A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.
Primula Seed.
For page see List of Advertisers.
- H. E. Flske Seed Co., Boston.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York.
Cineraria Seed.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
For page see List of Advertisers.
- Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

- John C. Meyer & Co., Boston, Mass.
For page see List of Advertisers.

SMILAX STRING

- John C. Meyer & Co., Lowell, Mass.
Green Silkline.
For page see List of Advertisers.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STOCK FOR SALE

- STOCK FOR SALE—Strong Plants, Begonia Limnosa, 2½-in. Make fine 5-in. stock for Christmas, \$4.00 per 100, \$35.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

STRAWBERRY PLANTS

- Wilfrid Wheeler, Concord, Mass.
Pot Grown.
For page see List of Advertisers.

STROKUM TREE BINDING

- George Stratford Oakum Co.,
Jersey City, N. J.

SWEET PEAS

- A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.
- Choice Celery plants grown from French seed our own testing. "Giant Pascal" and "Paris Golden" carefully packed for shipping, 20c. per hundred, \$1.00 per thousand and \$1.25 per thousand for ten thousand or over. Cash with order. Painsville Celery Co., Painsville, O.
- CELERY PLANTS—Standard varieties. Stock well rooted. Transplanted plants by the 100 or 1,000. We ship anywhere. Our plants grow and you will order again. Wm. C. Lester, Plainville, Conn., Tel. Connection.
- A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25, 1000; \$10.00, 10,000. H. Austin Co., Felton, Del.

VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.
For page see List of Advertisers.
- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

WILD SMILAX

- E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPLICKS

- W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Hellscher's Wire Works, 33-40 Broadway, Detroit, Mich.
- Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

- William F. Kasting Co., 383-37 Ellicott St., Buffalo, N. Y.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co., Cincinnati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

**WHOLESALE FLORISTS—
New York—Continued**

- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- Phillip F. Kessler, 55 & 57 W. 26th St., N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St., New York.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

- W. E. McKissick & Bros., 1619-1621 Ransstead St., Philadelphia, Pa.
For page see List of Advertisers.
- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

New Offers in This Issue.

- ARAUCAIAS: FERNS FOR DISHES.**
Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

ASTER SEEDS.

- Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

- BEGONIAS, GARDENIAS, POINSETTIAS AND BOSTON FERNS.**

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

- BIRCH, CEDAR AND CORK BARK, CORK WOOD.**

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

COLD STORAGE LILIES.

- Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

GERANIUMS.

- R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

- GERANIUMS, ROOTED CUTTINGS,**
B. E. Wadsworth, Danville, Ill.
For page see List of Advertisers.

LILIUM HARRISII.

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

NEW BABY RAMBLERS.

- August Rolker & Sons, New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLOWER DEALERS.

- A. Moltz & Co., 55-57 W. 26 St., New York.
For page see List of Advertisers.

VEGETABLE PLANTS

- CABBAGE**—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 10,000 and over, 8cets. per 1,000 20c. \$1.00

- CELERY**—White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 10,000 and over 8cets. per 1,000 20c. 1.00

CASH WITH ORDERS

- R. VINCENT, JR., & SONS CO.**
White Marsh, Md.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

Page	Page
Advance The Co. 159	Lord & Burnham Co. 160
Allen, J. K. 150	MacMulkin, E. 146
Aphine Mfg. Co. 132	Matthews 146
Aschmann, G. 131	McCarthy, N. F. 151
Barrows & Son 131	McConnell, Alex. 146
Bayersdorfer, H. & Co. 147	McCray Refrig- erator Co. 147
Beaven, E. A. 151	McCullough's J. M. Sons Co. 148
Bobbink & Atkins 132	McHutchison & Co. 143
Boddington, A. T. 143	McKellar, C. W. 148
Boston Florist Letter Co. 151	McKissick, W. E. & Bros. 148
Boston Plate & Window Glass Co. 159	McManus, Jas. 150
Breck, J. & Sons 145	Metropolitan Material Co. 159
Breitmeyer's, J. Sons 146	Meyer, J. C. & Co. 151
Bridgeman's Seed Warehouse 145	Michell, H. F. Co. 144
"Buds" 145	Michigan Cut Flower Ex. 151
Burpee, W. A. & Co. 145	Millang, A. 150
Buxton, D. A. 159	Millang, Chas. 150
Carrillo & Bald- win 130	Moltz, A. & Co. 148
Chicago Carna- tion Co. 131	Moninger, J. C. Co. 159
Clarke's, D. Sons 146	Moore, Hentz & Nash 150
Cowee, W. J. 148	Murray, Samuel 146
Craig, Robt. Co. 131	N. E. Nurseries 132
Crawback, G. W. 150	Nicotine Mfg. Co. 157
Dards 146	Niessen, Leo Co. 148
Dingee & Conard Co. 132	Oechslein, Frank 130
Dorner & Sons Co. 131	Ordenez Bros. 130
Dow, Geo. E. 145	Ouwkerk, P. 132
Drer, H. A. 141-158	Palethrope, P. R. Co. 157
Dunlop, John H. 146	Palmer, W. J. & Son 146
Dutch Bulb & Seed Growers Co. 145	Park Floral Co. 146
Dysart, R. J. 151	Parshelsky Bros. 159
Eastern Chemical Co. 157	Peacock Dahlia Farms 132
Edwards Folding Box Co. 148	Pennock-Meehan Co. 149
Ellwanger & Barry 143	Perkins St. Nur- series 121
Elliot, W. Sons 145	Peters & Reed Co. 158
Elser, J. G. 159	Pierce, F. O. 158
Ernest, W. H. 158	Pierson, F. R. 142
Eyers 146	Pierson, A. N. 131
Farquhar, R. & J. & Co. 132	Pierson U-Bar Co. 160
Fiske, H. E. Seed Co. 145	Poehlmann Bros. 148
Foley Mfg. Co. 159	Pulverized Man- ure Co. 157
Ford, M. C. 150	Reed & Keller 150
Freeman, G. L. Co. 130	Reinberg, Peter 148
Froment, H. E. 150	Rice Bros. 148
Frost, Chas. 145	Rice, M. & Co. 130
Galvin, Thos. F. 147	Rickard Bros. 145
Gloeckner, Carl R. 145	Robinson, D. A. 156
Greater N. Y. Florists' Assn. 150	Robinson & Co. 148
Grey, T. J. Co. 145	Rock, Wm. L. 146
Gude Bros. Co. 146	Rochers, Julius Co. 130-131
Guttman, Alex. J. 150	Roland, Thos. 131
Hall Association 159	Rolker, A. & Sons 142-158
Heacock, Jos. Co. 140	Rosens 148
Heinl, Geo. A. 146	Sander & Son 130
Herbert 132	Schlegel & Fot- ter Co. 145
Hews, A. H. & Co. 158	Schultz, Jacob 146
Hillfinger Bros. 158	Scott, John 131
Hill, The E. G. Co. 132	Sharp, Partridge Co. 159
Hitchings & Co. 160	Sheridan, W. F. 150
Hoerber Bros. 148	Siggers & Sig- gers 159
Home Corresp. School 139	Skidelsky & Ir- win 145
Horan, E. C. 150	Smith, E. D. & Co. 131
Hotel Seneca 139	Smith, P. J. 150
Hunt, E. H. 157-158	Smith, W. A. T. Co. 132
Jager, Chas. J. Co. 157	Smyth, Wm. J. 146
Kastner, W. J. Co. 150	Soleillet 143
Kentucky Tobac- co Product Co. 157	Standard Plite Glass Co. 159
Kernan Co. 157	Stearns, A. T. Lumber Co. 159
Kessler, P. F. 150	Stump & Wal- ter Co. 157
King Cons. Co. 159	Syracuse Pottery Co. 158
Krick, W. C. 150	Tabby 146
Kroschell Bros. Co. 159	Thompson, J. D. 131
Kuebler, W. H. 150	Thornburn, J. M. & Co. 145
Lager & Hurrell 130	Thurlow, T. C. Sons, Inc. 132
Lawrence, A. H. & Co. 146	
Lawrence, H. V. 146	
Leonard Seed Co. 147	
Leuthy, A. & Co. 147	

Page	Page
Totty, Chas. H. 151	Wheeler, Wil- frid 132
Valentine, J. A. 146	Wilson 146
Vicks, Jas. Sons 145	Wood Bros. 131
Vincent, R., Jr. & Sons 131-155	Woolley, A. M. 139
Wadsworth, B. E. 131	Yokohama Nur- series 132
Wants, For Sale 156	Young & Nugent 146
Ward, R. M. & Co. 145	Zangen, O. V. 145
Welch Bros. 148	Zinn, Julius A. 147
	Zvolanek, A. C. 145

Obituary.

Isaac C. Wood.

Isaac C. Wood, one of the founders of the firm of Wood Bros., of Fishkill, N. Y., died in Ontario, California, Friday, July 8, after an operation the day before.

Mr. Wood was born in Fishkill, N. Y., March 21, 1840. When a young man he entered the employ of Dal. Brinkerhoff, who carried on a nursery business near Fishkill Landing, where he continued until 1866, when he entered into partnership with J. G. Burrow, under the firm name of Burrow & Wood. In 1873 Joseph J. Wood bought an interest in the business, adding more land to their nursery) and the firm was then known as Burrow, Wood & Co. In 1876 the Wood's bought out Mr. Burrows' interest, after which the firm name was I. C. Wood & Brother. On July 1st, 1889, the present firm of Wood Bros., L. E., E. V. and I. J., sons of Isaac C., bought the whole business and good will.

Mr. Wood was always a hard worker and pusher in business when here. He was an ardent prohibitionist and noted for his gifts to charity. When he went to California in 1890 he became interested in the orange and lemon industry, being one of the pioneers in working out the problems that confronted the orange grower.

Mrs. D. H. Sheehan.

Mrs. Mary C. Sheehan, wife of David H. Sheehan, superintendent of parks and public grounds of Brookline, Mass., died at her summer home, Rose Cliff, North Weymouth, July 19, after a lingering illness. Mrs. Sheehan was born in Ireland about 60 years ago, but for nearly half a century had lived in America, most of the time in Brookline.

She is survived by her husband, two sons, Dr. Martin D. Sheehan, of Stoneham, and Edward P. Sheehan, of Brookline, and two daughters, Dr. Helen G. Sheehan, of Brookline, and Miss Marie J. Sheehan, of Brookline.

W. G. Gano.

W. G. Gano, for whom the Gano apple is said to have been named, died at his home near Parkville, Mo., on July 20. He was 71 years old. He had been a member of the Missouri Horticultural Society twenty years. In the early days Mr. Gano came to Missouri from Kentucky and began the operation of one of the largest fruit farms in the Ozark district. He was the first to raise what is known as the Gano apple.

Alexander Youngston.

This well known resident and former florist of Barre, Vt., died in that

HELP WANTED

With \$3,000, An Experienced Florist

Can obtain working interest in one of the best paying propositions in the South; business is well established and in position to double in value in two years. We have no snow or ice, can work outside every month of the year, will pay salary monthly and guarantee 10 per cent. on investment. For full particulars address, Southern, care of HORTICULTURE.

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED AT ONCE—Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of herbaceous perennial grounds. State particulars and send references. Address, Southworth Bros., Nurseries, Beverly, Mass.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1002, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

SITUATIONS WANTED

SITUATION WANTED, FARM MANAGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address, "Seeds," care HORTICULTURE, Boston, Mass.

GARDENER and superintendent, German married, age 41; experienced in landscape, greenhouse, flower and vegetable gardening; also in all work connected with maintenance of large private place; good references. P. Wenzel, Greenwich, Conn.

FOR SALE

GREENHOUSE FOR SALE

With office, or to let; good will of business goes with it. Apply to

DAVID A. ROBINSON
Revere Beach Parkway, EVERETT, MASS.

FOR SALE OR TO LET—Three green houses, one 18 x 85, two 15 x 75 each; six and one-half miles from Boston market; all modern conveniences. Also lot of land for outside use. Terms reasonable to right party. Apply to Samuel Brown, 320 Beale St., Wollaston, Mass., N. Y., N. H. & H. R. R.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

city on July 25, of plumonary edema. Mr. Youngston formerly ran a florist establishment on Pearl street. He was a native of Elgin, Scotland, where he was born on May 5, 1855. He is survived by his widow and four children.

George H. Sheppard.

George H. Sheppard, nurseryman, died at his home in Lamonte, Mo., July 21st. He was seventy-eight years of age and a native of Indiana. He came to Lamonte in 1868 and engaged in the nursery business. He was unmarried.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...
THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

PHILADELPHIA NOTES.

Godfrey Aschman will start on his annual European trip soon. He will visit France, Germany, Switzerland and Belgium.

Many sunburnt happy faces are appearing in our midst this week. Many eager searchers after primroses and happiness are disappearing about the same time. Vacations of course. All good, but mighty few of them of the Taft sixty-day kind—unless one happens to be out of a job.

The speaker at the next regular monthly meeting of the Florists' Club, August 2nd, will be Robert Kift, subject: "The Mission of the Trade Paper." Mr. Kift ought to bear in mind in handling this subject, that the trade is not a trade but a profession—according to the discussion at the July meeting of this club. Which horse will Mr. Kift ride? We will all be interested in the hippodrome if he shows us how to ride both—and still live.

Important news from Philadelphia this week. Dreers are branching out again. This time it is one hundred and twenty acres just beyond their Riverton place. They will erect several acres of glass on the new purchase. The extension was finally decided on at the annual meeting of the company held recently, and is the culmination of plans that have been incubating for several years. J. D. Eisele said a year or two ago—"No sir, no more, never again, we have enough!" But it's like the Irish national bird. "Glory be—if here he isn't back again."

Visitor—H. Levin, of Stein & Levin, San Francisco.

ST. LOUIS PERSONALS.

John J. Burke, after being out of business for the past year, reports that he will on August 15 open his old stand at Grand and Finney Aves., in which location he is already known.

Alex Geranios, late with F. H. Weber, will in August open a store at Grand and Oliver streets, a few doors from Waldbart's. He is well known and a good workman and should make good.

Fred Foster, of the Foster Floral Co., says he is building a greenhouse at his Kinlach place for his decorative stock, and may build several more if his two stores pan out well this coming season.

John S. Seketer, who so many years made wire work for the local florists when employed at Kuehn's wire shop, committed suicide last week. He leaves a wife and brother who have the sympathy of the trade.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

**Imp Soap Spray**

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only spray Not Poisonous to Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.

Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

Best for Garden Spraying**FIRES.**

Portland, Ore.—The property of George Otten, florist, Washington street, was damaged to the amount of \$4,000 in the recent fire which burned over 10 acres in that city.

Minneapolis, Minn.—Fire in the basement of Julius Rieck's greenhouse, 47th avenue N. and Bryant avenue, caused an estimated damage of \$300 recently.

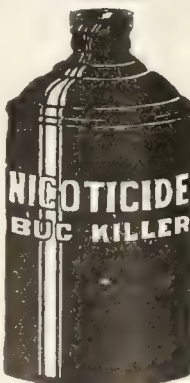
Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago

**The Best Bug Killer and Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Lexington, Ky.—Lightning struck the store of Michler Bros., 417 E. Maxwell street, July 12, coming in over the telephone wires, causing a small but stubborn blaze.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.
**Main Office and Factorles
CAMBRIDGE, MASS.**
**Pearson Street,
LONG ISLAND CITY, N. Y.**

GREENHOUSES BUILDING OR CONTEMPLATED.

Atchison, Kans.—H. E. Mitting, one house.

Libertyville, Ill.—J. L. Meredith, one house.

Pentwater, Mich.—A. E. Milnes, one house.

Wamesit, Mass.—George Foster, addition.

West Chester, Pa.—J. Monroe Palmer, one house.

Connellsville, Pa.—George Schomer, two houses.

Fall River, Mass.—Oak Grove Cemetery, addition.

Salt Lake City, Utah.—D. E. Law, range of houses.

Cleveland, Ohio.—C. B. Wilhelmy, range of houses.

New Rochelle, N. Y.—Louis Eppe, range of houses.

New Rochelle, N. Y.—Hitchcock & Co., conservatory.

Holliston, Mass.—H. S. Dawson (Eastern Nurseries), house 20 x 80.

Circleville, Ohio.—George and Walter Marion, one house.

Pomfret, Conn.—Estate of Mrs. George Bradley, one house.

Bath, Me.—Kennebec Greenhouses, addition of 10,000 square feet.

Spokane, Wash.—W. H. Acuff, and J. C. Neffeler, range of houses.

Cincinnati, Ohio.—Henry Schwarz, one new house, rebuilding several.

Eugene, Ore.—Misses Ida and Harriett Patterson, house 40 x 103 feet.

Chicago, Ill.—Stollery Bros. conservatory, 35 x 40 feet, to cost \$10,000.

Esopus, N. Y.—Col. Payne, conservatory, Lord & Burnham Co. construction.

Hillsdale, N. Y.—Cornelius Whitbeck, three violet houses, each 25 x 200 feet.

Cranford, N. J.—T. A. Sperry, range of houses, Lord & Burnham Co. construction.

Great Neck, L. I., N. Y.—Samuel Winnant, one house, Hitchings & Co. construction.

Pittsfield, Mass.—W. M. Salisbury, conservatory, Lord & Burnham Co., construction.

Manhattan, Kans.—The Kansas State Agricultural College, six-section house 112 x 150 feet.

Walkkill, N. Y.—Mrs. Bordon Halliday, conservatory, Lord & Burnham Co. construction.

Elmira, N. Y.—United States Cut Flower Co., enlargement of from 25 to 50 thousand square feet of glass.

Newport, R. I.—Estate of Arthur Curtis Brown, range of houses. Estate of Wm. Grosvenor, range of houses, both Hitchings & Co. construction.

Detroit.—Breitmeyer's have two new houses almost completed at their Mack Ave. place, and Mr. Knope expects to get four more remodeled before fall. Just now they are in the midst of planting out 16,000 chrysanthemums for their own store's consumption. One of the new houses will be devoted to sweet peas and bouvardia. Robt. Watson, also, is rearranging his whole range of houses, and adding to his office building.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

We will be pleased to supply special quotations to jobbers

Sole
Distributor

E. H. HUNT,

76-78 Wabash Ave.,
CHICAGO.

President. Lathrop, of the Board of Regents of Stamford University, will at once commence the erection of four steel-frame greenhouses on his estate near Palo Alto, Cal.

J. A. Peterson, Cincinnati, has purchased material for two new houses, one 16 x 125, the other 26 x 125, to be erected in the near future and will devote same entirely to Begonia Glory of Cincinnati.

NEWS NOTES.

Swansea, Mass.—Robert Vanmeader of Providence has purchased a farm with several greenhouses here and intends adding to them.


Spencer, Ia.—The frame work of the Spirit Lake Greenhouses has been purchased by H. N. Antisdal and it will be removed to Milford, where it will be used to enlarge his greenhouse at that place.

Baltimore, Md.—The greenhouse of Charles A. Fox at 230 Dolphin street has been torn down, as the demands of his business calls for larger and more modern quarters. He will erect a modern three-story dwelling, office and range of houses, which will cost between \$15,000 and \$20,000. It is expected that they will be completed about the latter part of November.

PATENTS GRANTED.

964,882. Lawn Trimmer. Frank C. Reynolds, Columbus, Ohio, assignor to Jacob G. Tussing and Eliza T. Tussing, Columbus, Ohio.

965,031. Lawn Mower. George Slaters, Plumtree, England.

Holds Glass Firmly
See the Point 
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St. Phila., Pa.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate	
1500 2 in. pots in crates \$4.88	144 6 in. pots in crates \$3.80	
1500 2½ " " " 5.25	120 7 " " " 4.20	
1500 3 " " " 6.00	60 8 " " " 3.00	
1000 3 " " " 5.00	HAND MADE	
800 3½ " " " 5.80	48 9 in. pots in crates \$3.60	
500 4 " " " 4.50	48 10 " " " 4.20	
456 4½ " " " 5.24	24 11 " " " 3.60	
320 5 " " " 4.51	24 12 " " " 4.20	
210 5½ " " " 3.78	12 14 " " " 4.80	
	6 16 " " " 4.90	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hillfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capital, write us, we can save you money.
W. H. ERNEST
28th & M Sts., Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

WE FURNISH ONLY
THE BEST

Gulf Cypress Greenhouse Material

Plans and Estimates Free

Private Houses and Conservatories a Specialty
Ventilating Machinery—Iron Fittings

FOLEY'S STEEL ROOF TRUSSES

Paint, Glass, Putty, Hot Bed Sash

PECKY CYPRESS FOR BENCH MATERIAL

THE FOLEY MFG. CO.

Western Ave. and 26th St.

CHICAGO, - - ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

2 HOUSES 35 x 300 FEET.

Germantown, Pa., Jan. 29th, 1910.

Dear Sirs:—

The two 300 foot houses you built last summer, at Roslyn Heights, are thoroughly satisfactory. They are light, strong, and rigid. Mr. Clarence Upton, who manages the place, is enthusiastic about your houses.

Yours very truly,

(Signed.) JOHN WELSH YOUNG.

Send for Bulletin No. 35 which describes

The King Iron Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS Prices Are Climbing
If in need of any, and have delayed buying,
write us at once for prices

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.
GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.

1392-1414 Metropolitan Ave. Brooklyn, N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.
Telephone, Fort Hill 2475



A Good Looking House

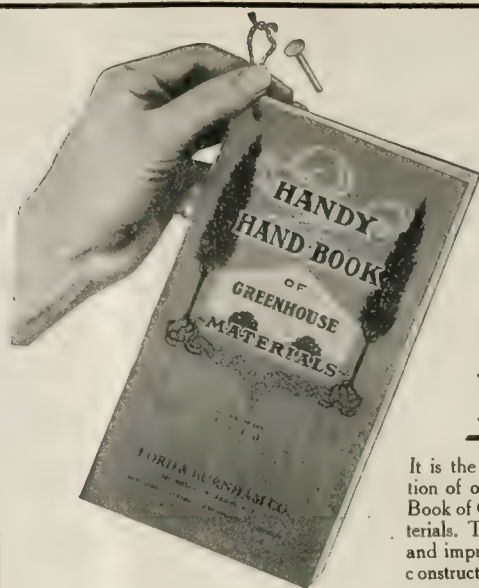
Here is an example of what a little simple treatment will do to make a greenhouse additionally attractive. The half timbered effect of work room and greenhouse sides is most effective in combination with the Curved Eave Construction.

Because of their ornamentalness, our houses can be placed to advantage near the residence or in prominent locations. Send for circular.

Hitchings & Company

New York

1170 Broadway



Send
For It

It is the new 1910 Edition of our Handy Hand Book of Greenhouse Materials. The many changes and improvements in our construction, fittings, boilers, etc. made it necessary

to get out a new edition this year, so you could keep up with what we are doing.

It contains a lot of things not in the old edition, and those which were in the old one are better shown and more fully described and illustrated. It is now the handiest kind of a Handy Hand Book, and the next time we drop around to see you, want to be sure to find it hanging on a nail in your work room. It has become one of the ear marks of the up-to-date grower.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII. AUGUST 6, 1910 No. 6

LIBRARY
NEW YORK
BOTANICAL
GARDEN



VIEW IN HIGHLAND PARK, ROCHESTER, N. Y.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.
SUBSCRIPTION, \$1.00 PER YEAR



U KNOW US!**LET'S KNOW U!**

BRITE and TRU

QUESTION: Why do we want U to send for our illustrated Katalog?

ANSWER: Because we want U to increase your business and ours by educating your customers to know the best Florists' Supplies and Ribbons.

MORAL: Knowing the best Florists' Supplies and Ribbons means using no other than ours.

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

Orchids

We are filling orders on the following plants at the low price quoted while they last.

40 to 45 plants	Per Case	Bulbs
Cattleya Trianae	\$40	450
" Mendelii	60	400
" Schroederiae	60	400
" Percivaliana	45	450
" Mossiae	40	450
" Gigas	60	400
" Bowringiana	50	400

6 to 8 Bulbs	Per doz.
Dendrobium Thrysiflorum	\$15.00
" Formosum Giganteum	7.50
" Bigibbum	12.00
" Cambridgeanum	12.00

Plants	Per doz.
Laelia Anceps	8 to 10 bulbs, \$6.00
" Albida	8 to 10 " 6.00
Miltonia Vexillaria	3 to 4 " 12.00
"	6 to 8 " 20.00
" Roezlii	3 to 4 " 20.00
"	6 to 8 " 36.00

Bulbs	Per doz.
Odontoglossum Crispum	6 to 8 \$24.00
"	3 to 5 12.00

A discount of 10 per cent on orders of \$500 or more only.

Plants Shipped at Once

G. L. FREEMAN CO., Fall River, Mass.

Convention Number—Best Issue of the Year—Next Week

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Freshly imported in great variety,
arrived in fine condition.

Write for information and prices

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L. Madison, N. J. or write us to our address in

Madison, N. J.

ORDONEZ BROS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$1.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strain, 2 1/2 in. pots, \$3 per 100, \$25 per 1000.

Cash with order.

FRANK OECHSLIN

911 Quincy St., CHICAGO, ILL.

GERANIUMS

We are headquarters, have an immense stock ready for immediate shipment, Standard Varieties, from 3 in. pots \$3 per 100, \$25 per 1000. We are booking orders for next season from 2 in. pots at \$2 per 100, \$18.50 per 1000.

CANNAS For fall or winter delivery, as low as \$12 per 1000, special price on larger lots. Write for special price on what you can use.

DAHLIAS Whole field clumps, good assortment at \$6 per 100, \$45 per 1000. Send for List.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS
For Immediate Delivery
2 1/4 in. pots, \$15.00 per 100. \$140.00 per 1000.
CYCLAMENS
Ready for 3 Inch Pots
Assorted Colors, \$50.00 per 1000
THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE
per 100. per 1,000.
2 1/4-inch pots, \$15.00 \$135.00
3 " " 25.00 200.00
4 " " 35.00 300.00
GARDENIAS
3-inch pots, \$15.00 per 100.
4 " " 25.00
5 in. pots, \$5.00 per doz., \$35.00 per 100
POINSETTIAS
2 1/4 in. pots, \$8.00 per 100, \$75.00 per 1000
BOSTON FERNS
7-in. pans, 75 cts.; 8-in. pans, \$1.00 each.
A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS
Price list on application.
A. LEUTHY & CO.
Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS
JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants
MARKET and 49th STREETS., PHILADELPHIA, PA.

ROEHRS
ORCHIDS, AZALEAS, PALMS, LORRAINES, CROTONS
RUTHERFORD, N. J.
CERANIUMS ROOTED CUTTINGS
Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 13 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

CHRYSANTHEMUM PLANTS
From 2 1-2 inch Pots. Immediate Delivery

WHITE	Per 100	Per 1000	YELLOW	Per 100	Per 1000
Oct. Frost.....	\$2.00	\$15.00	Oct. Sunshine	2.00	15.00
White Cloud.....	2.00	15.00	Appleton	2.00	15.00
YELLOW			Y. Eaton	2.50	20.00
Monrovia	\$2.00	\$15.00	Halliday.....	2.00	15.00

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

CHRYSANTHEMUMS
and ASTER SEEDS
ELMER D. SMITH & CO., - - **Adrian, Mich.**

Godfrey Aschmann
1012 W. Ontario St., Philadelphia, Pa.
Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.
Write for Prices.

THREE NEW CARNATIONS
Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.
CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS
F. DORNER & SONS CO.
LaFayette, Ind.

Whitmani Ferns
2 1/2 in., \$3.00 per 100; \$40.00 per 1000; 250 at 100 rates.
Nep. Magnifica, 2 1/2 in., \$15.00 per 100.
H. H. BARROWS & SON
Whitman, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

Chrysanthemums
Fine stock from 2 1/4 and 2 1/2 in. pots.
J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, J. H. Troy, Maud Dean, Money-maker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Mme. Bergeman, Polly Rose, Riverside, The Harriott, Timothy Eaton, W. H. Lincoln, Wm. Duckham, fine stock, \$3.00 per 100; \$25.00 per 1000.

Wood Brothers
FISHKILL, N. Y.

ROSE STOCK
2000, each, Brides, 'Maids, Richmond;
1000 Rhea Reid;
300 Ivory; all own root at 6c each.
Chrysanthemums
Our selection, good commercial varieties, at \$3.00 per hundred, \$25.00 per thousand.
Charles H. Totty
Madison, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

EVERGREENS

FOR AUGUST AND
SEPTEMBER PLANTING

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$60.00
3-4 feet.....	6.00	50.00
Golden, 18-24 in.....	\$0.50	\$5.00
Pyramidal, 18-24 in.....	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.....	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft.....	1.00	
Picea Excelsa, 3-4 ft.....	\$6.00	\$40.00
" " 2-3 ft.....	4.00	25.00
" " 18-24 in.....	2.50	15.00
" " Each Per Doz.		
" Pungens Glauca Koster		
True Blue, 2-2 1/2 ft.....	\$2.50	\$24.00
True Blue, 18-24 in.....	1.50	15.00
True Blue, 12-18 in.....	1.00	10.00
Roots dug with ball and burlapped		
10c. extra.		

CALIFORNIA PRIVET.

October Delivery,

	Per 100	Per 1000
2 years cut back and nicely branched.		
3-4 feet.....	\$5.00	\$40.00
2-3 feet.....	4.00	35.00
Berry Thunbergii,		
18-24 in., very bushy	12.00	100.00
18-18 in., very bushy	8.00	80.00
This is the best of stock good growing can produce. Prompt shipment.		

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN

6 and 7 South Market St., Boston.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Naule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Strawberries

You can have them all summer, from June 1st to Oct. 1st, by using the right varieties. Let us tell you about it.

Our strong pot grown Strawberry plants if planted during July or August will produce a full crop of fruit in 1911.

Send for our price list which tells all about the Strawberry, how to plant it and grow it. Our prices are right, so let us figure on your wants.

Call, telephone or write to

WILFRID WHEELER

Tel. 154-3 Concord, Mass.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove, PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Washawken Hgh., P. O. No. 1, Hoboken, N. J.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BAYVIEW ST. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Notes From the Arnold Arboretum

It is to be wondered at that such a handsome little shrub as the Heather, *Calluna vulgaris*, has been so much neglected by planters in this country. If seen as a single plant, it is, of course easily passed by, as it has no striking ornamental features, but in masses it is highly effective. Whoever has had the opportunity to see in northern or central Europe this Heather covering with its purple carpet wide stretches of moorland, sandy plains or gravelly slopes, sometimes as far as the eye can see, must consent that the effect is charming and it is not an effect of short duration. The masses are beautiful from the time when the flower-buds appear in July and the dull green heath becomes from day to day more highly colored until the whole is aglow with purple, to the time when in September the color of the heath changes to a soft brownish tint heralding the coming autumn. The fact that well established colonies of this plant have been found along the northern Atlantic coast, tends to show that also in this country it finds congenial conditions and may thrive well. It can be employed with advantage to cover barren sandy or gravelly soil, banks and slopes, and it also grows well in peaty and even swampy soil. It is well adapted for bordering Rhododendron groups, as it is used in the Arboretum, and for planting in rockeries and similar places. In Europe it has been always a favorite plant and a large number of varieties, at least twenty-five, are found in cultivation. To the most distinct forms belong the pure white varieties, of which *Calluna vulgaris* var. *alba* is the best known; another white form is var. *Searlii* differing in its later flowering time, October and November. A form with flowers of a deeper purple is var. *rubra*, while var. *tomentosa* differs in the grayish green color of its foliage, caused by a grayish pubescence. Distinguished by their taller and more vigorous growth are var. *elata* and var. *Alportii*, the latter with bright rosy carmine flowers. The opposite tendency is shown by *C. vulgaris* var. *pygmaea* which forms low almost moss-like tufts. There is also a handsome variety with rose-colored double flowers, *C. vulgaris* var. *plena*. The heather is easily raised in quantities from seed which is like other fine ericaceous seed best sown in pans filled with sandy peat and covered not at all or very slightly or covered with sphagnum to be taken off as soon as the seeds germinate. The varieties grow readily from green-wood cuttings in summer under glass.

Since a few years we cultivate at the Arboretum a form of the Sweet Elder, *Sambucus canadensis* var. *maxima* which attracts attention by its immense flower clusters measuring from ten to eighteen inches in diameter. This variety is very effective and flowers as a rule somewhat later than the type. It is particularly suitable for planting on the banks of streams and ponds.

Among the summer-flowering trees *Koelreuteria paniculata* ought to be brought to attention as a little known, but very attractive small tree. It is a low, round-headed tree with bright green and large, much divided foliage, which gives the tree quite a graceful appearance. The bright yellow flowers appear during July and August in large upright clusters at the end of the branches and are very effective. The *Koelreuteria* has proved quite hardy at the Arboretum, only in very severe winters the branches are sometimes partly killed back.

A handsome shrub now in bloom, but seldom seen in our parks and gardens, is *Stuartia pentagyna* remarkable for its large white cup-shaped flowers which measure three to four inches in diameter; these appear on short

stalks in the axils of the leaves and are therefore often partly hidden by the foliage which makes the shrub somewhat less showy, as it otherwise would be with its unusually large flowers. The foliage also is handsome, the bright green oblong leaves measuring four to five inches in length, and assumes bright orange and scarlet tints in autumn. The shrub has proved hardy at the Arboretum where it forms a spreading bush about five to six feet high, while in its native habitat, the southern states, it may reach a height of fifteen feet.

Alfred Rehder.

Roses at the Brussels Exposition

The Belgium World's Exposition now being held at Brussels, although not so pretentious as the one held in Chicago, offers a splendid collection of all the latest inventions and goods from all nations.

I am sorry to say that the United States alone seems to have neglected its opportunity in every way, as the small space devoted to the States would not make even a fair sized hall. For Horticulture nothing is shown, owing probably to the fact that it would seem somewhat like shipping coals to Newcastle. Yet when passing through the main entrance of the principal building, one is confronted by a large flower booth, containing most of our latest and finest carnations—such as Enchantress, Lawson, Winsor, Beacon, White Enchantress, Alma Ward, Pink Enchantress, and several older varieties, all fine specimens. It would seem that our carnation growers might have made here a display to advantage in plants, especially as we come here to buy most of our hybrid roses, bulbs, rhododendrons, lilacs, azaleas, etc.

The landscape features were beautifully carried out, in the limited space allowed for the parking of the magnificent buildings. Every advantage was taken to enhance the setting for the buildings, and the gardeners and landscape architects performed their part to perfection. As my time was limited I devoted it to the rose section out-of-doors—the indoor show had already been held before I arrived. They told me it was very fine, and from the blooms seen in the open I can readily believe it. The sight of thousands of roses of all varieties in bloom at once in the rose garden was a great treat, and presented a beautiful landscape effect.

The site chosen is admirably located, not only for viewing the roses, but also they are protected first by the large buildings about them and—being in a sunken garden—by the surrounding banks. These banks, edged with lawn grass, were further utilized to show the dwarf varieties and this gave a setting of green to enhance the color of the flowers. The area covered by this exhibit was fully two acres. The parterre was laid out artistically with walks around the whole, and winding paths with grass borders between. Each firm exhibiting had his own individual space.

All plants were properly labelled with a neat porcelain label, with the name stamped in black ink, the firms' names being also of uniform size, but larger, so that no great advertising signs were seen to mar the general effect. Every exhibitor received the same treatment, thus giving equal rights to the small as well as the large grower.

Owing to the continuous rain the roses were not at their best, but, even so, they were a delight to all lovers

of the Queen of flowers. The plants must have been planted in fine condition, as they showed splendid growth, fine healthy foliage and magnificent blooms. Of course some firms excelled in culture, variety, etc., over others, but as I am not judging or disposed to criticize, I will only say that they all showed splendid care and attention and were a credit to all exhibitors.

A very good system of planting was carried out throughout. Where standards were shown, these were all planted in the center of the beds along the longitudinal walks, and below them the dwarfier plants, thus making a finished bed of roses. Mr. Nicolas Gaertner, chef de culture de la Maison Gemen and Bourg of Luxemburg showed me every courtesy, and I am sorry I could not have spent several days with him in this spot.

Hybrid teas seem especially to be coming to the front. Among good ones noted were Mme. Jenny Gillemot—white shaded to yellow, long buds, strong grower—shown by Peter Lambert of Trier, Mosel; Frau Lilla Rautenstrauch—pale pink, a free and strong grower; Friedrich Harms—pale yellow, (syn. Franz Deegen); Frau Rose Benary—delicate pink—type Killarney; Betty—deep pink and worth trying. Gen. McArthur showed up here better than Richmond and Augusta Victoria was best white in the show—superior still to all others.

F. B. Lamesch, Luxemburg, showed some very finely grown roses. His *Senateur St. Romme*—a fine light pink—also a very deep carmine named *Leuchtfleur* would be worthy of a trial by our growers indoors; the latter is very fragrant and brilliant, of a good form and substance and a strong grower. Gemen & Bourg of Luxemburg showed *Lyon Rose*, H. T., introduced two years ago. As seen here in a large center bed the effect was beautiful. It is a large full flower, fragrant, color reddish pink shading to copper yellow, entirely distinct from anything I have seen before in coloring. If this rose can be forced it would create a sensation. They also expect to introduce a red *Augusta Victoria* next spring, which should give us a fine red summer rose.

Retten Freres, Luxemburg, showed some finely grown roses—Killarney especially well done. They showed two reds worthy of trial—*Colonel LeClerk*, deep red, and *George Laing Paul*, also carmine. Soupert & Notting exhibited *Lady Moyra Beauclerk*—dark pink and very promising. Mrs. Theodore Roosevelt, light pink type, as seen here is not as good as Mme. Testout—possibly a freer bloomer. Owing to the weather I may not have seen it under favorable conditions. Mrs. James Craig, pink, showed little vigor but conditions might apply as to Mrs. Theodore Roosevelt.

All these roses were viewed under the most adverse conditions, namely in a pouring rain, which had been practically continuous for several weeks. The rose show as a whole was a great credit to all those participating, not only in the farming, but in the quality of the product shown. Even under the conditions I saw them in, it was worth a long trip to see, and a pleasure to the eye not only for the professional gardener but the amateur and the public.

John H. Taylor

Melons Under Glass



At the present time melons are plentiful on the market, but few there are who know the delicious flavor, not to mention size, of a fully developed, and well ripened fruit, grown under glass. Nor is the season of such fruit limited for they can be produced all the year round. During the summer they can be produced in fourteen weeks from time of sowing, winter months taking a few weeks longer. To keep up a steady supply four small houses must be devoted to them. These must have adequate pipe heat to maintain the temperature through the cold weather and also to furnish bottom heat for the plants. Raised benches with pipes underneath answer both purposes well.

When sowing the seed use a good open compost and place very lightly in 3-inch pots, inserting one seed in each pot and water in. Place the whole in a house having a temperature of 70 to 75 degrees night and cover with paper to maintain the moisture. Good seed should germinate in about four days. When seedlings are through prepare bed for permanent planting. Good, heavy loam with old lime rubble mixed into it is all they require. Cover bottom of bench with sod, adding more with lime rubble and ramming as firm as possible until the whole is four inches thick. Mix more of same compost and also add a little charcoal for the mounds. These should be placed on the bed 20 inches apart and the seedlings planted in. Maintain a night temperature of 70 to 75 degrees and syringe twice daily. Take one shoot up until the plants are three-quarters up trellis and then stop.

Laterals will now appear bearing female flowers. Stop these one leaf beyond the flower. If possible three or four of these should be fertilized the same day, to insure an even crop. As the fruit swell they will need support. Nets made for the purpose should be used. During the time the fruit is swelling the plants will take lots of water and feed, which can be given in the form of light top dressing and quick-acting manures.

As soon as fruit shows signs of ripening, cease syringing and keep a drier atmosphere and give all air possible. Quality is usually to be preferred to size, especially as medium sized fruit are easier to serve on table, being cut through and cracked ice placed in center.

Scarlet-fleshed varieties usually are of best flavor, but there are good green and white fleshed varieties to be grown.

On the right of the picture we have "*Shrewsbury Hero*," a scarlet-flesh of medium size and superb flavor. On the other side can be seen "*Royal Jubilee*" and "*His*"

Eminence," the latter the best white-flesh grown. It was raised at the Royal Gardens, Windsor, five years ago from "Shamrock" x "Hero of Lochinge." Varieties are numerous. The above named with "Sutton's A1," "Superlative" and "Sutton's Emerald Gem" are among the best.

George H. Penson

A communication from Mr. Penson on Pests and Diseases of Melons will next appear. Following will be a series of articles on Fruit and Vegetables Under Glass from the pen of this expert grower.—Ed.

Seasonable Notes on Culture of Florists' Stock

CALLAS

Richardias that have had a good rest should be started now. Only those that are beginning to show a sturdy crown growth should be planted. If they are anyway soft or flabby, get some new roots as they are cheap enough, and will be better in the end. They are grown in benches and pots. If wanted for cutting the former is the best. When planting in benches use a good rich, heavy loam. The roots can be set about a foot apart in soil that is rather moist so that very little watering will be necessary until they show a vigorous start. After the growth progresses watering in regular quantities will become necessary. When grown in pots use either 6 or 7-inch pots, and a soil composed of one-third well-decomposed cow manure, with a sprinkling of bone dust. Plunge outside in full sun so that they may make a robust growth. Give a copious supply of water when growth starts, and keep outside as long as there is no danger of frost. The most substantial blooms are grown in a temperature of from 58 to 60 degrees.

FERNS FOR DISHES

The growing of ferns for the making up of fern dishes for the table should not be neglected. This is a good time to grow on material for all such work as the filling of fern dishes, jardinières, and pans for the adornment of the living room, office or show window. Those who neglected to start a good supply from spores last winter, should purchase what they need from the reliable firms advertising in HORTICULTURE and the present is a good time to buy. Where a constant supply of ferns is to be kept up it is best to calculate on sown spores four times a year, say in January, March, July and October. Most of the popular commercial varieties require from 8 to 10 months from the sowing of the spores until they are fit to pot. To grow this young stock into fine plants one must guard against extremes in heat, moisture and dryness. Be careful to maintain a proper condition of the atmosphere at all times. On a very hot, dry, sunny day, when a great deal of moisture is carried off, syringing them two or three times a day will be found of great benefit to all young ferns. On the other hand, during damp and rainy weather a saturated atmosphere can be prevented by a little artificial heat. A few satisfactory kinds are *Cyrtomium falcatum*, *Asplenium bulbiferum*, *Pteris cretica magnifica*, *P. eretica albo-lineata*, *P. argyræa*, *Aspidium angulare*, and *Blechnum occidentale*.

HARRISH LILIES

The time is now at hand for the arrival of Bermuda

lilies. If they are wanted to bloom early you should start with bulbs from the first shipments due to arrive about the first or second week in August. Pot at once as soon as received. A 5-inch pot will do for a 5 x 7 bulb; for a 7 x 9 bulb a 6-inch pot will suit better. Use any good loam with about one-fourth of its bulk of some well decayed cow manure thoroughly incorporated. When planted, nothing of the bulb but the extreme tip should be showing. See that there is good drainage in the pots and thus forestall any stagnacy in the soil. Frames that are not in use will make the best place for these bulbs. A first layer of sand or ashes, will help to prevent the covering of soil from adhering to the pots when taken from the frame. In from 4 to 5 weeks most of the bulbs will have started to send out roots, some of them showing in profusion. You can sort out the most advanced for early forcing. By this grading and separating you can have blooms for a steady flow of trade right along. When housed a daily syringing, sufficient watering and fumigating once or twice a week will be the work that goes to make full success with the forcing of these lilies.

LYSIMACHIA NUMMULARIA

"Money-wort" is very useful for baskets, vases, boxes and also for covering the ground in shady places. Take, from now up to September, a few inches of the top growth and dibble them by threes into 2-inch pots. They can be placed in any coldframe, and if kept shaded and moist they will soon root, after which the glass can be removed until cold weather arrives, when they can be covered up again with some sash, and left there until the middle of March. By that time they can be taken out and shifted into 3-inch pots and placed along the edges of some benches in a cool greenhouse.

VERBENAS

From now up to the 20th of August you can cut back a few of each of the varieties of verbenas you may want to perpetuate. By giving them a top dressing of some fine manure and working it into the soil around the plants, plenty of young growths will quickly be produced that will be just right for cuttings, and will root more readily than the old growths. Fill some flats, soil on the bottom and sand on the surface and if kept moist and shaded the cuttings will soon root.

VANDAS

This interesting genus embraces a number of species having very handsome flowers. From February until November shading should be applied to the glass, but never too heavy or you will have black spot. Give just enough to break the rays of the sun. The direct influence of the sun during the balance of the year is very beneficial for vandas. During hot, dry weather dampen the paths and benches freely two or three times a day so as to keep the atmosphere moist. Ventilate in greater or less degree, when the outside condition will allow it. For potting, there is nothing better than chopped live sphagnum, with some broken charcoal. The compost should never be allowed to become dry for any length of time. It is essential at all seasons to give vandas a good supply of water, with syringing in all bright weather. A winter night temperature of 60 to 65 degrees will suit them.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Aralias; Cold Storage Lilies for Christmas; Compost for Winter; Roman Hyacinths; Stocks; Violets.

HORTICULTURE

VOL. XII

AUGUST 6, 1910

NO. 6

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION—View in Highland Park, Rochester, N. Y.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	165
ROSES AT THE BRUSSELS EXPOSITION—John H. Taylor	165
MELONS UNDER GLASS—G. H. Penson—Illustrated.	166
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—John J. M. Farrell: Callas—Ferns for Dishes—Harrisii Lilies—Lysimachia nummularia—Verbenas—Vandas.....	167
CLUBS AND SOCIETIES: Florists' Club of Washington—Florists' Club of Philadelphia—American Carnation Society..... Detroit Florist Club—American Gladiolus Society—Florists' Hall Association.....	169 174
YOKOHAMA NURSERY CO. EXHIBIT. AT THE JAPAN-BRITISH EXHIBITION—Illustrated.....	169
SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS: Those S. A. F. Amendments, W. N. Rudd—Transportation	170
Department of Registration.....	171
DURING RECESS: Maryland Horticulturists.....	171
Florists' Club of Washington, Illustrated—Buffalo Florists' Club—Minnesota State Florists' Association	172
Long Island Florists' Club.....	174
SEED TRADE: Improved Seed Cabinets—Vicissitudes of the Season—Seed Pea Harvest—Openings—Notes.....	176
OF INTEREST TO RETAIL FLORISTS: Steamer Departures—New Flower Stores.....	178
Flowers by Telegraph.....	179
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago.....	181
Cincinnati, Detroit, New York, Philadelphia.....	183
OBITUARY: Henry J. Bowden—Jean Soupert—Joseph Zellers—Luther W. Fuller—E. H. Reynolds—William Rennie.	189
MISCELLANEOUS: News Notes	174-189-190
Personal	179
Cincinnati Personals	179
Philadelphia Notes.....	179
Chicago Notes	183
Incorporated	189
In Bankruptcy	189
Greenhouses Building or Contemplated.....	190
Hail Storm in Massachusetts.....	190

The Society's opportunity

We should like very much to see something done at the Rochester meeting tending towards a working affiliation between the Society of American Florists and the special societies. The interests of the latter are, as a rule, being cared for by enthusiasts in their respective spheres, and, in some instances, at a considerable sacrifice of personal interests, which is generously made in a spirit of devotion to the welfare of the flower which is their especial protege. Earnest

and faithful work of this character is of inestimable value to progressive horticulture and, as we have before remarked, should not be discouraged, but encouraged, rather, and there is no reason to fear that the effort will be any less zealous under a working alliance with the chartered National Society than under conditions of absolute independence. It would also be a good thing for the S. A. F. if it could assemble and weld together all these vigorous but scattered forces which, as at present constituted, are obliged to work at so great a disadvantage. There may be difficulties to be overcome before a merger can be accomplished in which the interests of all concerned shall be satisfactorily conserved, but there seems to be a wide-spread belief that it is possible and that the present is a most favorable time to get to work on the problem and try to formulate a plan of co-operation which will meet with general approval. This and other pressing and timely topics which have a vital bearing on the welfare of the profession might better occupy the time and attention of the convention than some of the doubtful schemes which are being fostered for the pulling down and reconstructing the constitutional working machinery of the Society, the real motives for which are, no doubt, well hidden away in the recesses of the fountain heads of political strategy in the Society's midst.

There have come to us from time to time during the past two years complaints of overcharging, delays in delivery,

careless handling and consequent injury to flower packages, etc., by express companies and, no doubt some of these murmurings have reached the ears of those holding official position in the National Society. The present would be an opportune time, it seems to us, to press claims of this character, as an investigation of interstate express service, rates and practices, by the Interstate Commerce Commission has been petitioned for by counsel representing no less than 123 commercial organizations, among which are the Boston Chamber of Commerce, New York Merchants' Association, Chicago Association of Commerce and other representative bodies in leading cities. In their brief, they allege unjust, unreasonable and extortionate charges on the part of all the express companies doing interstate business as common carriers in the United States, not only now but for many years past. It is set forth that the express companies and railroads, through joint action and restrictive practices, are making profits enormously disproportionate to the service rendered. The Great Northern Express Company is cited as an example, having been organized in 1892 with a capital of \$100,000, and that with a total cost of all real estate and equipment, of \$71,288.91, it has paid in the past ten years \$3,200,000 in dividends and has accumulated \$1,488,881.58 all arising from its proportion of total charges to the public after payment to the railroad companies of from 40 to 55 per cent of its gross earnings! "What do you know about that?" At the time the S. A. F. had the U. S. Express up before the Interstate Commission the latter put forward in extenuation of its excessive rates the alleged great profits of the flower business. We hope that any of our readers who are interested in seeing the greedy monopoly which controls express transportation put under proper restraint will at once appeal to the S. A. F. or other influential organization to join hands with the bodies above mentioned in this well-organized movement which has come none too soon. The limit of endurance has plainly been reached.

FLORISTS' CLUB OF WASHINGTON.

The August meeting of the Florists' Club was held at Eagle Hall. A final report of the Flower Show committee of last fall was accepted, and committee was dismissed with thanks. Wm. F. Gude, the usual toastmaster and chairman of the Flower Show committee, spoke officially of the great progress already made with the coming exhibition and of the very great benefit to be derived from combining with the Householders' exhibition, stating that the prospects are good for an attendance of 75,000 persons. It has been finally decided to allow the florists 10,527 square feet in the south end of Convention Hall for their exhibit which will run from Oct. 29th to Nov. 5th inclusive. Floor plans and sketches in perspective were submitted. A motion was adopted to the effect that the club and trade papers advocate parcel post and carry the matter to the next S. A. F. convention.

The business being at an end the meeting adjourned at 9.10 p. m. Wm. F. Gude then introduced Edward S. Schmidt as host; he responded in a pleasant address of welcome and a bounteous feast was then served.

R. Vincent, Jr., president of the Maryland State Horticultural Society was next introduced. He extended a cordial invitation to the Club to visit the dahlia show this fall and asked the co-operation of the Washington men in the next exhibition of the Maryland State Horticultural Society to make it the "best ever." He also asked the help of Washington in trying to secure the convention of the S. A. F. for Baltimore for next year.

The following Baltimoreans were present: Mr. and Mrs. Chas. Seybold, Mr. and Mrs. Fred Bourn, Mr. and Mrs. R. Vincent, Jr., Mr. and Mrs. Morse, and Mr. George Morrison. The latter, president of the Florists' and Gardeners' Club of Baltimore, paid a pretty tribute to both Mr. Schmidt and the club.

Col. Montague, president of the D. C. Order of Eagles, made a very flowery address. Chas. Seybold made a humorous address and Thomas Grant, secretary, Washington Chamber of Commerce, added a few remarks.

The Baltimore ladies got in at 10.45 p. m. from a delightful car ride to Glen Echo and were served with refreshments. It was a most delightful evening altogether and Mr. Schmidt was declared a most delightful host.

FLORISTS' CLUB OF PHILADELPHIA.

Robert Kift was the star attraction (his subject being "the Trade Press") at the regular monthly meeting of the above club, August 2nd. The speaker has been intimately connected with trade journalism for many years and spoke from ripe experience and with a breadth of view and comprehensiveness that but few are gifted with. We have secured a copy of the paper and hope to be able to give it to our readers in full at an early date. In the after discussion that took place J. Otto Thilow paid an eloquent tribute to the trade journal—giving it credit for being the most inspiring medium in the onward progress of our profession. What is being said, done and thought everywhere is accessible to everybody even to the remotest hamlets of the country and furnishes a

THE YOKOHAMA NURSERY CO., LTD., AT THE JAPAN-BRITISH EXHIBITION.

The accompanying pictures show only a portion of the extensive exhibits by this company at the Japan-British Exhibition where they have a very large and most interesting collection of old Japanes dwarf trees, trained in various shapes and many of

tural novelties. The space occupied is over 2000 square feet.

One of the illustrations shows a portion of the ground in the exhibition utilized for keeping the trees in a fresh condition prior to their removal to the building. Mr. S. Susuki from Yoko-



them unique. All came from Yokohama via the Canadian route at a great outlay for overland freight, packing etc., and are now growing in fancy porcelain pots. The exhibit also comprises a number of valuable ornamental bronze and stone lanterns, together with fern designs and other horticultural

novelties. The space occupied is over 2000 square feet. One of the illustrations shows a portion of the ground in the exhibition utilized for keeping the trees in a fresh condition prior to their removal to the building. Mr. S. Susuki from Yokohama and Alfred Dimmock are inspecting a collection of Thuja obtusa and in the background will be noticed some specimen wistarias and maples. The other picture shows the exhibit of stone garden lanterns which are very much in demand in England for use in Japanese gardens.

constant stimulus to those engaged in every branch of the business. Fred Ehret voiced the sentiment that the retailers' advertizing through this channel, had practically opened the way for the new and important business of national and international telegraphic flower orders.

The special features for next meeting, first Tuesday in September, will be nomination of officers and an "experience fest" of convention delegates.

AMERICAN CARNATION SOCIETY.

There will be a meeting of our board of directors at Rochester, N. Y., on August 19th, 1910. The time is set for 9.30 a. m. Much important business is to come before this meeting, and it is hoped that a good attendance will be present. Any members of the A. C. S. who happen to be in Rochester will be welcome at this meeting, and are in fact, urged to be present.

F. BURKI, President,
A. F. J. BAUR, Secretary.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

THOSE S. A. F. AMENDMENTS.

Notice has been sent to the members of the S. A. F. of a number of amendments to be brought up for consideration at the coming convention. The most important of these are the series intended to make the members of the board of directors elective and to make the office of the Secretary and Treasurer appointive by the board of directors.

The present conditions are that the board of directors consists of eleven members, namely, the President, First Vice-President, Secretary and Treasurer, who are of course elected each year, and the junior Ex-President who was elected the year before. These five members can be said to be elected by the direct vote of the members of the Society. The other six, which is a majority of the board, are appointed. They are the personal appointees of the President, each President having the privilege of appointing two, so that the Society is in the somewhat anomalous position of having a majority of its board of directors not elected by itself, but the personal appointments of various Presidents. The amendments, if carried, will reduce the board of directors from eleven to nine and make them all strictly elective.

Theoretically, at least, this seems more in accord with the general customs of this country and is the practice in nearly all corporations existing in this country. Practically all ordinary corporations are compelled to elect their board of directors by the law under which they exist.

It will be noted that the amendments also take away the voting power in the board of directors from the Secretary and Treasurer. If these officers are to be appointed by the board of directors it would certainly be an exceedingly bad proposition to give them a vote in the deliberations of the body which appoints them and which can remove them. It seems to the writer that so long as the present close scrutiny of the handling of the funds is carried out, and the heavy bonds are required from the Treasurer, that it really makes very little difference whether he is elected or is appointed.

The office of Secretary, however, it would seem could be most wisely taken out of politics. The Secretary is the chief clerk of the Society; he is the only person expected to devote any great amount of time to its work and should be placed in position so that he would be dependent for reappointment on the directors who are closely associated with him and have a thorough knowledge as to the quality of his work.

It seems to the writer that it should be the policy of the Society to get the services of the best man obtainable and to keep him in office continuously. A new man in the Secretary's office can not possibly pick up all the details and be in a position to give the society the best work of which he is capable, until he has had one or more year's experience. There are also many times when, if he carries out his duties with sole reference to the best interests

of the Society, he must offend some of the members. If he is subject to re-election by popular vote, the temptation to the average man will be to let the interests of the Society "go hang" when it is a case of securing the support of a possibly influential man for his re-election, as against making that same man an active worker against him. It would seem a reasonable proposition that the best service from a Secretary will be secured by removing any temptation for him to mix up in politics or identify himself with political factions which will certainly be the case if the office continues to be an elective one and the incumbent wishes to hold it for any length of time.

The President is frequently a new man who has had no service on the Executive Board and is entirely unfamiliar with the working machinery of the Society, and he is compelled to rely largely on the knowledge and experience of the Secretary, and both are handicapped when the Secretary is a new man and lacking in experience. A good Secretary is like certain spirituous liquors; if not compelled to constantly play politics, he is sure to steadily grow better with age. I speak at the present time from personal experience knowing how much (although I had seen four years' service on the Executive Board), I was compelled to rely on the thorough knowledge of the Society's conditions possessed by Mr. Stewart not only by reason of his great ability, but also through his long service. The contrast was impressed upon me most forcibly when recently I came to fill the position of Secretary under President Traendly and to realize how my lack of experience in the details of the office made me less helpful to President Traendly and less useful to the Society.

The amendment to Article 3 is with the intent of giving the Society the privilege of saying when it shall meet, as well as where. Under the present conditions no matter how necessary it might be for the interests of the Society to change the date of the meeting for even one week, it could not be done unless a formal notice to change the By-Laws had been gotten up some months in advance and all the rest of the red tape had been gone through with. The argument has been advanced that we ought not to make this change because it had always been the other way. This seems to me about as poor an argument, either for or against any proposition, as one could possibly bring up. I can not see why we may not as safely trust ourselves, when we are assembled in annual convention, to decide what time we shall meet as to decide where we shall meet. There will be nothing to prevent our continuing to meet at the same time in August as heretofore, unless the majority of the Society wish to meet at another time, and whenever the majority of the Society wishes to change the date it certainly seems that we should give ourselves the privilege of doing so.

The last amendment contemplates the changing of the fee for Life Mem-

bership from \$25.00 to \$50.00. This has been repeatedly thrashed out and voted down, but it still seems to me that \$25.00 is an absurdly small fee for Life Membership and I feel quite confident in looking over the present list of life members that there are but few of them who would not have taken the Life Membership just as willingly at a \$50.00 fee as at a \$25.00 one.

W. N. RUDD.

TRANSPORTATION.

Boston to Rochester.

Vice-President E. Allan Peirce, of Waltham, Mass., is working like a beaver to increase interest in the S. A. F. in his territory and to get together a representative crowd from Boston and Bay State points generally. He is having good success as is usually the case when a man gets about his duties industriously with heart and soul.

A. S. Hanson, general agent of the Boston & Albany R. R., has sent out the following information regarding rates:

MEETING OF SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS, ROCHESTER, N. Y., AUG. 16, 19, INC.

First class fares to Rochester are as follows:

Boston	to Rochester	.....\$8.38
Worcester	"	..... 7.73
Palmer	"	..... 6.93
Springfield	"	..... 6.63
Pittsfield	"	..... 5.58

Reduced fares have been authorized on the certificate plan. Going tickets to be purchased August 12 to 17, inclusive. Ask Ticket Agent for certificate account the meeting. Certificate when properly endorsed and vised at meeting will entitle original passenger to return ticket at 3-5 fare until August 23rd. Sleeping or Parlor accommodations can be secured at City Office, 298 Washington St., Boston, or by applying to any ticket agent.

Write to E. Allan Peirce for details and itinerary of the party going by special car from Boston on Monday morning, August 15.

New York to Rochester.

A few words from A. L. Miller, President New York Florists' Club and State Vice-President S. A. F. & O. H.:

The time is very limited and in a few more days it will be train time and all aboard for Rochester. Our very much alive Transportation Committee (F. H. Traendly, John Young and H. A. Bunyard) have left nothing undone to give the party the greatest time of their lives en route. It will be necessary for those intending to take this trip with us to notify F. H. Traendly, Chairman, 131 E. 28th street, N. Y., at once, so that the necessary accommodations can be attended to.

I would like to state that the Officers and Transportation Committee extend a cordial welcome to all friends to travel with the New York Florists' Club on this occasion and to be their guests at dinner, the arrangements being made to stop at Glen Summit Springs Hotel for this repast. If you have never attended a Convention now is your opportunity. Every florist is certainly entitled to a vacation and he



HOTEL SENECA

Rochester's Leading Hotel

Headquarters S. A. F. Etc.

A. M. WOOLLEY
Manager.

could select no better time than this. Wake up now and join us. We shall have the best make-up of a train that ever left the Lehigh Valley R. R. Station. Remember the time, August 15th, 10 a. m., from Jersey City.

With pleasant greetings and hoping to welcome you all at the depot.

Respectfully yours,
A. L. MILLER.

From St. Louis and Southern Illinois.

State Vice-President Ammann has sent out the following notice:

Edwardsville, Ill., August 1, 1910.

Dear Sir:—As Vice-President for Illinois South, I beg to invite you to join us on the delightful trip to the S. A. F. Convention at Rochester, August 16 to 19. The official route will be the Big Four, leaving St. Louis Union Station on the celebrated "Knickerbocker Special" at 1 o'clock p. m. Monday, August 15.

The special Pullman provided for the party will be fully equipped and arrive in Rochester at 9:20 Tuesday morning. The fare for the round trip from St. Louis to Rochester and return, including thirty (30) day stop-over when and where desired is \$23.16 aside from sleeper reservation, which is \$4.00 each way.

For further information write or 'phone. Yours truly,

J. F. AMMANN.

State Vice-President for Illinois South.

Mr. Ammann, who is also Secretary of the Illinois State Florists' Association, writes us as follows:

"The above is out for Illinois South. The crowd from here will be small; in fact, it seems impossible to be able to interest the fellows even in our State Association. Wish I knew of some means to wake 'em up."

Philadelphia to Rochester.

The Lehigh Valley has been selected by the Florists' Club as the route to the Convention. Leave the Reading Terminal 10:30 a. m., Monday, Aug. 15th. Full particulars as to reduced fare, etc., can be had by addressing John Westcott, chairman transportation committee, Horticultural Hall, Broad and Locust streets.

Detroit to Rochester.

State Vice-President Michael Bloy, of Detroit, Mich., is very anxious to know who of the locals and outsiders are going to the convention. The Detroit party will leave on Monday, Aug. 15, at 5 p. m., per boat to Buffalo, arriving there at 8 p. m. on Tuesday. From there they go by rail—about 70 miles, to Rochester. Fare on the boat, \$3.50; stateroom for 2, \$2.50; railroad fare, \$1.50 single.

There is no more delightful trip than this ride across Lake Erie to Buffalo, and the boats plying between these ports, although palatial in size and fittings, are usually filled; thereby making it difficult at times to get a berth unless reservations are made ahead of time. Anyone who wishes to join the Detroit Club should not fail to notify Mr. Bloy at once to give him a chance to make proper reservations.

Cincinnati to Rochester.

The following parties have signified their intention of attending the convention at Rochester: Mr. and Mrs. J. A. Peterson and son, Rodger Peterson, Mr. and Mrs. Louis H. Kyrk, Mr. and Mrs. Otto Walke, Messrs. C. E. Critchell, Albert Sunderbruch, Albert Heckman, Jr., Herbert Greensmith, Ray Murphy, Frank Westrich, Misses Edith F. Kyrk and Laura Pfeiffer.

New Orleans to Rochester.

Vice-President Harry Papworth, of New Orleans, La., writes that he expects to bring one or two new members but is very much afraid he will not have as many as last year, as A. Alost, M. Cook and Otto Abele are in Europe and several are away in Asheville. Rochester being so far away will also prevent some going.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the roses, "Dark Pink Killarney" and "Lady Cromwell," by A. N. Pierson, Inc., of Cromwell, Conn., and the rose, "Purity," by Hoopes, Bro. & Thomas Co., of West Chester, Penn., become complete.

H. B. DORNER, Secretary.

July 28, 1910.

Rutherford, N. J.—Among the orchids now blooming in quantity at Julius Roehrs' greenhouses is *Cattleya aurea*, a species of which this concern has probably the largest collection in the world. This is a distinct sort from *C. Dowiana aurea*. *Dendrobium Phalaenopsis* is flowering freely just now from the old bulbs. *Dendrobium Dearii*, so useful as a florists flower, has never been out of bloom since last September. Messrs. Roehrs have recently completed a pumping station and a rainwater tank 12 x 150 and are assured of an unlimited supply of water for all purposes.

During Recess

MARYLAND HORTICULTURISTS.

The summer outing meeting, Thursday, July 28th, of Maryland State Horticultural Society was a most enjoyable, educational and delightful event. There were over 400 in attendance, among which were 100 members of the Gardeners' and Florists' Club of Baltimore, and also many leading members of the Washington Florists' Club. The delegation arrived at Berlin, Md., at the home of Mr. Orlando Harrison at 1 p. m. Mr. Harrison entertained the "bunch" in substantial and artistic manner. On the lawn beneath the shade of the trees were two long tables which were freely decorated with vases of gladioli, hydrangeas and many other seasonable flowers. Good things were dispensed in lavish quantity by the beautiful young women of Berlin, who graced the occasion as waiters. There were peaches galore, side tables on lawn piled high with them. A cornet band furnished music.

After the feast Richard Vincent, Jr., president of the State Society, called the meeting to order. Orlando Harrison, the host, delivered an earnest address of welcome. He said in part, he was proud of being raised on a farm. Hard knocks were necessary to develop a man's quality. He explained how economically the state appropriation to Society had been managed. About high living, he said, that while potatoes and some other products were lower than ever, yet the farmers were making good. "If you must eat meat instead of good fruit and vegetables, then you must pay the price." On a recent visit to the West he discovered the people sprayed and thinned fruit on Sunday—here in the East we can produce fruit good enough in six days. Only intense cultivators of the soil are making good in the West. He said Maryland possessed the greatest advantages for the horticulturist and farmers of any state he had visited. During the next twenty years he predicted that westerners will be coming to eastern farms. Geo. Morrison, president of the Baltimore Gardeners' Club, responded in some brief and very appropriate remarks. In conclusion, Mr. Morrison said that while Mr. Harrison's welcome orally and otherwise was perfectly satisfying, yet he considered that Mrs. Harrison and some

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

other wives and prospective ones had a great share in the success—the substantial sort, anyway. Mr. Vincent, Jr., then outlined the prospects of the next show of the Society. Hon. J. Harry Covington, M. C., then made a fine address. He asserted that the eastern shore of Maryland had more diversified products than any section of its size in the world. He said the horticulturist had a mission in civic life. He contrasted European intensive small farming with our big farms and he preached sub-division of our big farms, which would mean a development of land ownership. "Make the farm land a homestead, not to sell again for speculation. The rural population of the country will be its salvation, developing high morals and worth. He agreed with a great Frenchman, who centuries ago said:

"It is not the splendor of the cities but the prosperity of the fields that constitutes the greatness of a nation; not the opulence of its palaces, but the comforts of its homes." Wm. F. Gude of Washington praised the Society in brief remarks and told some interesting things of his early career as a boy on the farm.

After the meeting a big string of vehicles was in waiting to take the visitors on a tour of inspection through the 2,000 acres of nurseries. Here they found blocks of peach trees, 100 acres in a block, weedless, and with foliage such as the experts remarked indicated perfection of health. The land is level as a floor and from the vehicles fine views of the blocks and sections were had. The cleanliness of the cultivation of the nursery trees was a revelation even to the visiting experts. Where there was a big gang "budding" at a million-peach-tree block, visitors got out, looking, wondered and marveled at the expert rapid work of the budders. Having only a little over three hours, but a portion of the nursery could be visited. The inspection wound up at a bearing peach orchard where the trees were bowing their welcome with ripe fruit. Visitors were invited to go in and help themselves, which they did. A score of colored women gathering baskets of the fruit broadly grinned at the raiding innovation. One was heard to exclaim, "So many white ladies long wid 'em, 'spect it is a 'gation from some boardin' school."

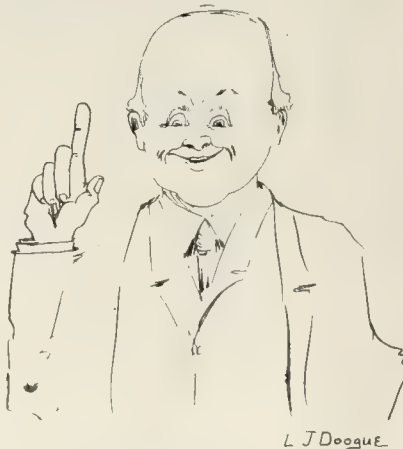
On the return at 7 p. m., from the orchard on long tables again were surrounded and full justice done to the hospitality displayed there on. Then

the train pulled in and the visitors all went to Ocean City, Md.

FLORISTS' CLUB OF WASHINGTON.

The 26th of July will long be remembered by the florists of Washington. This time, as once before the outing was held at the Great Falls of the Potomac, an ideal place for a picnic. Promptly at 2.30 p. m., special steam trains with every seat filled, left 36th and M streets, the coaches decorated with oak boughs and Japanese lanterns.

A complete list of the events of the afternoon was inscribed on the fans,



AFTER THE OUTING.

"I Wouldn't Have Missed it for the World."

which were distributed on the cars. Following is a list of the games and the winners:

Potato race for girls of 12 years and under, 1st prize won by Agnes Barry, 2nd Daisy Minder. Potato race, boys of 12 years and under, 1st prize Willard Oliver; 2nd Marion Hodgson. Potato race, open to all, 1st prize, Milton Redmon. Potato race, open to ladies, 1st prize Mabel Everett; 2nd Edna Brooks. Flag race, girls 12 years and under, 1st prize I. R. Dixon; 2nd Della Goddard. Potato race, 7 years and under, 1st prize Claire Dixon. 100 yd. dash, for men, 1st prize Saml. Everett. 100 yd. dash, for ladies, 1st prize Miss Everett. 100 yd. dash, for boys 18 years and under, 1st prize, Milton Redmon. Handicap, 50 yd. dash, for girls 10 years and under, 1st prize, Agnes Barry. Handicap, 50 yd. dash, for boys 10 years and under, 1st prize, Hiram Dimmel. 100 yd. dash, for members only, 1st prize, Geo. Shaffer. Putting the ball in basket, for members only, 1st prize, Mrs. Neidnauskie. Putting ball in basket, open to married ladies only, 1st prize Mrs. Russell. Putting ball in basket, for single ladies only, 1st prize, Miss Barry. Guessing contest, guessing the number of flowers in sealed bag, open to all, 1st prize, Mrs. Wimer; 2nd, Mrs. Gust; 3rd, Mrs. Walker.

Quoits, doubles, open to all, Geo. Cooke and Saml. Simmons.

The club had as their guests from Baltimore: Mr. and Mrs. Chas. Seybold, Mr. and Mrs. Perry, Mr. and Mrs. F. G. Baur, Mr. and Mrs. Borne. After the contests were all ended all partook of either picnic lunch or repaired to a nearby cafe. Afterwards the young people enjoyed themselves at the dancing pavilion.

BUFFALO FLORISTS' CLUB.

On Wednesday last the annual outing of the Buffalo Florists' Club was held at Fort Erie Grove. The day was again an ideal one and the members with their families, friends and fellow florists were on hand to enjoy the day of sports. The program consisted of many sporting events and many valuable prizes which were distributed to the fortunate one.

The delivery boys' race was quite interesting, especially to the store men. Winners: Zimmerman, 1st; Santner, 2d; Vol, 3d; Naber, 4th.

100-yard dash.—Won by R. Kinkel, 1st; C. Kinkel, 2d; Roeder, 3d; Tobin, 4th.

1/4-mile walking race.—R. Kinkel, A. Hey, R. Mack.

The tug of war was about the hardest pull the greenhouse men have had in some time. Their opponents, the store men, naturally of light weight, gave them a hard time and won 2 out of 3. Time-keeper, Guenther; judge, Louis Neubeck; W. A. Adams furnished rope and cheers.

Old man's race was won by S. A. Anderson, 1st; Griever, 2d; Hock, 3d.

3-legged race.—Griever and Walther, 1st; Kinkel Bros., 2nd; Presach and Jerome, 3d.

Potato race won by Edw. Walther; Kinkel, 2d; C. Kinkel, 3d.

Hop, skip and jump.—Won by David Scott, 36.2; R. Kinkel, 35.6; Griever, 34.9.

The baseball game, Greenhousemen vs. Storemen, was broken up in the fifth inning—"Rain." Such notables as D. Scott, Gettre, R. Scott, Reichert and others constituted the greenhouse men and were ahead in the sixth inning when S. A. Anderson, with the bases full, hit the sphere for a three sacker and cleared the bases of 2 runs. The store men got the batting fever and secured five runs in the seventh inning and that, together with rain, broke up the game. Umpire Neubeck also being a store man. After a brief rest all were ordered to the banquet hall at Erie Beach Hotel, the tables being beautifully decorated in the club colors. Brief remarks were made by Toastmaster Neubeck. All in all, a very pleasant day's outing was had and the committee is again congratulated upon their success. E. C. B.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The second annual picnic of the Minnesota State Florists' Association was held at Wildwood, White Bear Lake, on July 26. The weather was ideal and thanks to the hard work of the committee, the whole affair was a success.

Tug-of-war and base ball game were

DREER'S CONVENTION MONTH SPECIALS

AN INVITATION

All florists attending the convention at Rochester are invited to inspect our exhibit there and also to stop off either going or coming and inspect our nurseries at Riverton, N. J. We assure you a cordial reception and believe that you will find the visit both pleasant and profitable.

PALMS, Our Leading Specialty

ARECA LUTESCENS.

A splendid lot of well-shaped plants, of good color.
2 1/4-in. pots, 1 plant in a pot, 85 cts. per doz.; \$6.00 per 100.
6 " " 3 " " 28 to 30 inches high, \$1.00 each.
7 " " 3 " " 36 " " 2.50 "

COCOS WEDDELIANA.

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2 1/4-in. pots, 5 to 6 inches high, \$1.50 per doz.; \$10.00 per 100
3 " " 8 to 10 " " 2.00 " 15.00 "
5 " " 18 to 24 " " splendid plants, 75c. each
7 " " 34 to 36 " " grand specimens, \$2.50 "

KENTIA BELMOREANA.

2 1/4-in. pots, 4 leaves, 8 to 10 in. high, \$1.50 \$10.00 \$90.00
3 " " 5 " 12 " " 2.00 15.00 140.00
6 " " 6 " 20 to 24 " " 1.00 each
6 " " 6 to 7 " 26 to 28 " " 1.50 "
Specimen plants, 9 to 10 feet high, in tubs, \$40 each.



ARAUCARIAS

ARAUCARIA EXCELSA (Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

4-inch pots, 5 to 6 inches high, 2 tiers.....\$0.30
5 " " 10 to 12 " " 3 "60
6 " " 13 to 15 " " 3 to 4 "75
6 " " 14 to 16 " " 4 " 1.00
7 " " 16 to 18 " " 4 " 1.25

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers..... .75
6 " " 10 to 12 " " 3 " 1.00
7 " " 13 to 15 " " 4 " 1.50

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 8 inches high, 2 tiers..... 1.00
6 " " 10 to 12 " " 3 " 1.25
7 " " 12 to 14 " " 3 " 1.50

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

Our staff of travelers will be in attendance at the Rochester Convention and will be pleased to show you samples of the above and many other specialties which we will exhibit.

KENTIA FORSTERIANA.

Leaves.	In. high.	Per. doz.	Per 100	Per 1000
2 1/4-inch pots, 4	8 to 10....	\$2.00	\$15.00	\$140.00
5	12 to 15....	2.50	20.00	175.00
6	15 to 18....	5.00	40.00	
8-inch tubs, 6 to 7	28 to 30....	1.00 each		
6 to 7	34 to 36....	1.50 "		
11	45 to 48....	5.00 "		
6 to 7	84 to 90....	15.00 "		

The following are exceptionally heavy and valuable decorative plants.

14-inch tubs, 6 to 7 leaves,	7 to 7 1/2 feet high.....	Each
15 " " 6 to 7 " "	7 1/2 to 8 " "	\$25.00
15 " " 6 to 7 " "	8 to 8 1/2 " "	30.00
16 " " 6 to 7 " "	10 to 11 " "	35.00
16 " " 6 to 7 " "	11 to 12 " "	40.00
		50.00

KENTIA FORSTERIANA—MADE-UP PLANTS.

7-in. tubs, 3 plants in a tub,	36 inches high....	\$2.50 each
7 " " 3 " " "	38 inches high....	3.00 "
8 " " 3 " " "	40 to 42 in. high....	4.00 "
8 " " 3 " " "	42 to 45 in. high....	5.00 "
9 " " 3 " " "	4 ft. high.....	6.00 "
9 " " 3 " " "	4 1/2 ft. high.....	8.00 "
10 " " 3 " " "	5 ft. high.....	10.00 "
12 " " 3 " " "	5 1/2 ft. high.....	15.00 "
14 " " 3 " " "	6 ft. high, heavy....	20.00 "
16 " " 3 " " "	7 1/2 to 8 ft. high....	25.00 "

LIVISTONA ROTUNDIFOLIA.

We offer a fine lot of this desirable miniature Fan-Palm.

2 1/4-inch pots, \$1.50 per doz.; \$10.00 per 100.		
3 " " 2.00 " "	15.00 " "	
4 " " 3.50 " "	25.00 " "	
5 " " 6.00 " "	(Nicely characterized.)	

PHOENIX RUPICOLA.

Good 6-inch pots.....\$1.50 each
tubs..... 2.50 "

PHOENIX ROEBELENI.

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

3-in. pots, nicely characterized, \$3.50 per doz.; \$25.00 per 100.
4 " " .60 each.
5 " " 1.25 each.
6 " " 2.00 each.

We also have a limited lot of handsome specimen plants in tubs, at \$35.00 and \$50.00 each.

FINE FERNS

NEPHROLEPIS GIATRASIL.

This variety, introduced last fall in a very limited way, has proven to be a gem, especially where a perfect specimen is desired in a small size. It will develop beautifully in a 3, 4 or 5 inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2 1/4-inch pots.

\$2.00 per dozen; \$12.00 per 100; \$100 per 1000.

MIXED FERNS FOR DISHES.

We have at all times a good supply of these.

2 1/4-inch pots, \$3.50 per 100; \$30 per 1000.

NEPHROLEPIS SCHOLZELI (Crested Scott Fern).

A sport from Scottii, possessing all the merits of that most popular variety, but with the pinnae sub-divided, giving it a neat crested appearance.

2 1/4-inch pots, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

ASPLENIUM NIDUS AVIS (The Bird-Nest Fern).

A nice thrifty lot in 3-inch pots, 30 cents each; \$3.00 per dozen.
4-inch pots, 40 cents each; \$4.00 per dozen.
6-inch pots, \$1.00 each.

FERNS IN FLATS.

These flats contain about two hundred plants each, only one variety being in a flat and we cannot supply less than a full flat of any one sort. Price, \$2.00 per flat.

Adiantum Cuneatum	Lomaria Ciliata
Aspidium Tsussimense Cristata	Pteris Adiantoides
Aspidium Tsussimense	" Cretica Magnifica
Cyrtidium Falcatum	" Winstetti
" Fortunei	" Multiceps
Lastrea Chrysoloba	" Ouvrardi
" Aristata Variegata	" Wilsoni

H. A. DREER, Inc., 714 Chesnut St., Philadelphia, Pa.

NEW BABY RAMBLERS

ROSE ORLEANS and Mrs. TAFT

Imported field grown stock of last year's elegant French Novelties: Mistress TAFT, crimson pink; ROSE ORLEANS, bright pink, white eye; both force readily, foliage healthy, by far preferable to the **Old Baby Rambler**. Fall delivery f.o.b. N. Y. duty paid: \$20.00 for fifty; \$37.50 for one hundred. TRY these NOVELTIES now for winter flowering and for Easter forcing! Address

AUGUST RÖLKER & SONS, NEW YORK, 31 Barclay St., or P.O. Box 752

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of **NEPHROLEPIS**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2¼-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to *Elegantissima* that *Scottii* does to *Bostoniensis*. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2¼-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

won by St. Paul. The bowling went to Minneapolis; total pins in 2 games—St. Paul 1173, Minneapolis 1357.

Ladies' Bowling (two games)—First, Miss E. Malmquist; second, Miss E. Will; third, Mrs. H. C. Hansen; fourth, Miss B. Hangan; fifth, Miss A. Michaels.

Men's Bowling (two games)—Were not finished.

In the prize waltz Miss Helen Gruley and Mr. Kusick were the lucky winners.

LONG ISLAND FLORISTS' CLUB.

	BOWLING AVERAGES, AUGUST 2, 1910.			
	Average			
Donaldson	180	182	153	185
Smith	147	198	224	120
Eibsmann	166	168	180	138
Siebrecht	174	140	167	144
Kessler	145	144	135	153

The Elberon Horticultural Society will hold a clambake on Aug. 24th at Pleasure Bay, Long Branch, N. J. A good time is promised.

NEWS NOTES.

Los Angeles, Calif.—Proposed improvements for which an appropriation has been asked by the City Park Department includes a new conservatory in East Lake Park to cost \$30,000.

Seattle, Wash.—Five acres of land have been purchased near the Golf and Country Club grounds by A. L. Aabling, formerly with the Woodland Floral Co. Fancy nursery stock will be grown in connection with his greenhouse plant, and he expects to grow vegetables for the club house and private parties.

DETROIT FLORIST CLUB.

The principal event of the club meeting was the election of officers. After a very spirited and good-natured attempt to elect J. F. Sullivan we had to finally accede to his wishes and allow him to stay on the floor. Final result of the election was: President, Geo. L. Brown; vice-president, Herman Knope; secretary, Hugo Schoeter; treasurer, Robert Rahaley; librarian, Harry Pickworth.

On account of the convention, the next meeting will not be held until Monday, August 29th, and by courtesy of Mr. Knope the same will take place on the lawn at Breitmeyer's on Mack avenue. Tent, refreshments, speakers, etc., all will be there to make the meeting a success.

Through the help of Norman Sullivan the club has a chance to rent very commodious and pleasant rooms at 112 Farmer street for their regular bi-weekly meetings.

FRANK DANZER.

AMERICAN GLADIOLUS SOCIETY.

Kelway & Son, Langport, Somerset, England, have offered the Kelway medal for the best collection of named varieties of Kelway's Large-flowering Gladioli to be shown at the exhibit of the American Gladiolus Society, their current Manual of Horticulture to be taken as a guide to the names eligible, and to include only the Large-flowering Kelwayi strain. Entries for this prize should be made under No. 16 Open Class.

L. MERTON GAGE, Cor. Sec'y.

FLORISTS' HAIL ASSOCIATION.

The annual meeting of the Florists' Hail Association will be held at Convention Hall, Rochester, N. Y., on Thursday, August 18th, 1910, at 9 a. m.

JOHN G. ESLER, Sec'y.

APHINE'S

Increasing Popularity

As a general insecticide for destroying greenhouse and outdoor pests,

Is due to the hearty endorsements of the many expert floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of the trade.

It does all that is claimed for it, and more.

Ask your supply house for Aphine, or write us for name of our nearest selling agency.

Aphine Manufacturing Company
MADISON, N. J.

PANSY SEED TIME

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ¼-oz., 75c; ½-oz., \$1.50; ¾-oz., \$2.75; oz., \$5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

	Trade pkt.	¼ oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideaeffora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye..	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black...	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

Winter-Flowering BEGONIAS

Before ordering your supply of Winter-flowering Begonias, see J. A. Peterson's Trade Display at the S. A. F. Convention in Rochester, Aug. 16th to 19th. New Begonia Glory of Cincinnati, also Begonias Pres Taft, Gloire de Lorraine and Agatha. Also, New Dracaena "Victoria."

**WILL SEE YOU
AT THE FAIR...**

J. A. PETERSON
Cincinnati
Ohio

JOSEPH HEACOCK, Wyncote, Pa.
GROWER OF FINE

KENTIAS

Send for Price List.

FERNS IN FLATS

We can still offer these varieties

Pteris Wilmsetti
" Mayii
" Hastata
" Magnifica
" Gilberti

Pteris Adiantoides
" Serrulata
" Serrulata Var. Cristata
" Cretica Albo-lineata
" Aspidium Tsussimense

About 110 clumps per flat. Price \$2.00 per flat. Cash with order for less than 5 flats or from other than regular customers.

Shipments go by express during July and August

McHUTCHISON & COMPANY, 17 MURRAY ST. NEW YORK

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ASTER SEED

While in Rochester at the Convention, look over our display of Cut Asters. Don't fail to visit our Aster farm and see our crop growing.

VICK & HILL CO., Rochester, N. Y.

Next Week—Special Convention Number—Where's Your Ad.

Good Spawn The Foundation

That there is good money for florists, farmers, village people, amateurs, in growing mushrooms is admitted.

IF

Of course there are a lot of "IFS" in this as in everything else; but the first and biggest "if" in the path of success is

IF

You Start with Good Mushroom Spawn

Our special circular [free] tells the story. New importations of Michell's Finest English Spawn just in.

10 lbs. \$1.00	50 lbs. \$3.50
100 lbs. \$6.50	

Sample Brick by mail, postpaid, 25c.

Henry F. Michell Co., 518-1018 Market St. Philadelphia, Pa.



CAN ALSO FURNISH

Lambert's Pure Culture

AND

Anglo-American Pure Culture

at regular rates.

Send for our Midsummer Wholesale List.

Seed Trade

Improved Seed Cabinets.

There is very little activity in the seed trade these days. Most of the heads of the different large houses are away on vacations or crop inspection trips and this condition is likely to extend into the early part of September when the bulb trade becomes active. About the only feature of the seed trade which can be considered doing anything just now, is the commission end. Those of our friends who are engaged in this line of business have for the past two or three years been experimenting with a new seed cabinet or—it might be proper to say—a variety of seed cabinets, as each house has its own particular model, though all more or less of the same general design. When these new cabinets were introduced by two or three of the small commission houses, several years ago, they noted at once that their sales materially increased, but the older and larger concerns ignored the fact, while one after another of the smaller firms adopted the new style of displaying their seeds. At last the two principal commission houses of the United States have been compelled to take notice of the increased sales of their smaller competitors, and within a year or two more, the old style or flat commission seed box will virtually be a thing of the past. When all of the houses have adopted the new cabinet, it is a question if the increased sales which have been noted when only a few were using them will be continued. For all to realize and maintain the increase in sales which were noted when these new cabinets were introduced would mean a very large total increase in the sale of com-

mission package seeds and it is doubtful if this will prove to be the case. However, an improvement in every line should be welcomed and those seedsmen whose enterprise has brought about this change are entitled to congratulations.

Vicissitudes of the Season.

Some rains have fallen during the past week in Michigan, Wisconsin and some of the other western states, where seed growing is more or less extensively carried on, but generally speaking the ground is still too dry, although the weather is somewhat cooler than for many weeks past. As stated in the last issue of HORTICULTURE, the pea seed crop is virtually made, and no conditions of weather are likely to improve it. One of the factors to be feared now, is a wet harvest, which would damage the already very short crop. Therefore, rain in the pea seed district at this stage is much more likely to cause damage, than benefit. With beans and corn it is different. Both are at a stage where they badly need moisture, and rain would certainly be of benefit to these two crops and unless it comes in abundant supply in the very near future, it may be too late.

Seed Pea Harvest.

The harvesting of early peas has commenced and we may soon get estimates or percentages of yields. In many cases the vines of such varieties as Alaskas and Extra Earlies, are so short that they cannot be cut with a mower and have to be pulled by hand, which of course means an additional cost on a crop so short that few seed growers will make any money this year and will be fortunate if their balances are not on the wrong side of the ledger.

There will be some little stock of what are known as Farmers' Alaskas in Wisconsin. Several thousands of bushels were carried over and several thousands of this year's crop will be added, making a considerable quantity of this degenerate seed. If it were only high grade stock, it would very greatly relieve the present shortage. One or two large growers of seed have expressed the opinion, that the packers will find it necessary to use this seed or operate another year with a greatly reduced acreage. When the packer has to decide between using this kind of stock or shutting down his factory, he is really between the devil and the deep sea, and whichever he may decide to do, he will wish he had done the other.

Openings.

It is reported there is an opening for a good competent all-round seedsman at Troy, N. Y. Anyone desirous of making a change who feels competent to manage the seed department of a general agricultural business might find it to their interest to look into this matter. It is also said that there is an equally good prospect for the same kind of a man if he is ambitious and competent, at one of the seed houses in New York City.

Notes.

Pittsburg, Pa.—Staple's Seed Store, 224 Oliver avenue, was damaged by water in a recent fire to the extent of \$1,000 covered by insurance.

Bay City, Mich.—It is announced that Bromfield & Colvin have sold to W. H. Grenell of Saginaw, their entire seed stock and good will in the business. Subsequent to the retirement of Mr. Reis the older members of the firm gave their attention to other lines.



LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS
WHITE PEARL ONION SETS
NOW READY
 LOWEST PRICES ON APPLICATION

Largest Growers of Peas, Beans and Garden Seed. Headquarters
 222-230 W. KINZIE STREET **CHICAGO**

Giant PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of 3½ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures. 2000 seeds 50c., 5000 seeds \$1.00, ¼ ounce \$1.25, ounce \$5.00, pound \$50.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades. Trade pkt., 25c., any five \$1.00, 12 pkts., one of each variety, \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 seeds of Rainbow free, and with other amounts in like proportion.

CHAS. FROST
 Kenilworth N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN
ROCHESTER, - N. Y.

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chlnensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

STANDARD SEED

FOR THE Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
 47-54 No. Market St., BOSTON, MASS.

ESTABLISHED 1820

Thorburn's
Bulls

LILIUM HARRISII

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Price

Inquiries Solicited

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
 cession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 20c. \$1.00
 10,000 and over, 85cts. per 1,000

CELERY—White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 20c. 1.00
 10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
 White Marsh, Md.

CHEER UP!

French Bulbs will soon be in. Bremond's stock. The very best produced.



Write for prices on Horseshoe Brand.

RALPH M. WARD & CO.

12 West Broadway

NEW YORK

Not How Cheap
 But How Good

CINERARIA

Hyb'd Large Flowering

Trade Pkt. \$1.00

WM. ELLIOTT & SONS,
 42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c. ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE SEEDS FOR THE FLORIST

H. E. Fiske Seed Co.,
 Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO
We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers: Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Fairmont, Minn.—Miss A. R. Krumholz has retired from business.

Northampton, Mass.—An addition will be built at the back of H. W. Field's flower store.

Ottawa, Ont.—The stand formerly occupied by the Canadian Floral Co. is now held by B. Everest.

Wilmette, Ill.—It is stated that H. P. Gerhardt intends to sell his store and devote his time to his Glenview Greenhouses.

Hartford, Conn.—The store where Potter the Florist, was located has been sold to Besse the Caterer and Potter has moved to his greenhouses at No. 232 Main street. He is in hopes to return to the center of the city this fall.

John Coombs hurt his hand very severely the other day while cranking one of his Pope Hartford cars, and will not be able to use it for some little time.

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London...Aug. 6
Minneapolis, N. Y.-London...Aug. 13

Cunard.

Mauretania, N. Y.-Liverpool...Aug. 10
Saxonia, Boston-Liverpool...Aug. 16

French.

La Provence, N. Y.-Havre...Aug. 11

Hamburg American.

Pres. Lincoln, N. Y.-Hamb'g...Aug. 10
Amerika, N. Y.-Hamburg...Aug. 13

Holland-America.

Rotterdam, N. Y.-Rotterdam...Aug. 9
Ryndam, N. Y.-Rotterdam...Aug. 16

North German Lloyd.

K. W. der Grosse, N. Y.-B'men...Aug. 9
Barbarossa, N. Y.-Bremen...Aug. 11
Prinzess Irene, N. Y.-Med'n...Aug. 13
G. Washington, N. Y.-Bremen...Aug. 16

Red Star.

Vaderland, N. Y.-Antwerp...Aug. 6
Lapland, N. Y.-Antwerp...Aug. 13

White Star.

Romanic, Boston-Med'n...Aug. 6
Baltic, N. Y.-Liverpool...Aug. 6
Cymric, Boston-Liverpool...Aug. 9
Oceanic, N. Y.-Southampton...Aug. 10
Celtic, N. Y.-Liverpool...Aug. 13

NEW FLOWER STORES.

Toronto, Can.—Trethewey Model Farm, Yonge street.

Milwaukee, Wis.—The Flora-bon, 3rd street and Grand avenue, B. van Engel, manager.

C. F. Bertanzel, florist, of Roslyn, Long Island, was bathing in the breakers at Nassau, seven miles from Freeport, and got beyond his depth. He became weak and called for help. E. T. Slade, a member of the United States Volunteer Life Saving Corps, and who is one of a party having a cottage there, jumped in the breakers and swam to Bertanzel's aid. The undertow took both men out, and it looked for a time as though both would be drowned. A rope used for just such emergencies was brought into play, and Slade drew Bertanzel in, both thoroughly exhausted. Mr. Bertanzel is, we believe, a director in the Growers' Cut Flower Company.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly
of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, LEADING FLORIST,
TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

AN INVITATION

Messrs. H. Bayersdorfer & Co. request the honor of your presence at the opening of their magnificent Exhibit at the Convention of the Society of American Florists in Convention Hall, Rochester, N. Y., Tuesday Morning, August 16, 1910.

This exhibit will comprise staple florist supplies of Bayersdorfer standard in addition to an unusual number of meritorious novelties gathered in Europe and in America. It will undoubtedly excel all previous exhibits, affording the rare opportunity for examination and comparison.

H. BAYERSDORFER & CO.
R. S. V. P. 1129 Arch Street, PHILA., PA.

PERSONAL.

Jesse Howe is now located in Bradford, Pa. He was formerly with the Baur Floral Co.

A. F. Anderson, florist of Woburn, Mass., and family are spending two weeks at Canobie Lake.

Wm. Shaw, formerly gardener for Mrs. G. B. Wilson at West Philadelphia, Pa., is now with Seth A. Borden, Fall River, Mass., as orchid grower.

Robert Hunnicks, who for many years had charge of "The Breakers," Newport, R. I., has taken a position as gardener for Mr. Wm. Maxwell, Rockville, Conn.

Among the returning tourists are David Welch of Boston and Sam J. Goddard of South Framingham, Mass., who arrived together on the Teutonic, at New York, July 28.

Edward Welch of Welch Bros., Boston, Mass., sails for a Mediterranean trip on the White Star line Romanic from Boston, August 6. Neighbors and friends gave him a rollicking send-off at his summer cottage at Old Orchard Beach, Me., on Monday evening.

A postal received from Prof. Louis C. Elson, of Boston, who is on a European trip informs us that the Japanese exhibition now in progress in London is very beautiful and acknowledged to be the best display of this type of outdoor gardening that has ever been shown outside its native land.

H. G. Kretschmar of Brooklyn, N. Y.,

writes us from London in praise of the great number of growing plants seen in windows of residences and shops, and expresses the wish that the love of flowers and plants so evident among all classes over there could be had in New York. He is having a good time.

The Hornell (N. Y.) Tribune-Times of July 29, states that Dean Liberty Hyde Bailey, of Cornell Department of Agriculture, was knocked down by a runaway horse and carried to his home in an unconscious condition, being seriously injured. We extend our sympathy to Dr. Bailey, sincerely hoping that later information may modify the first report.

We are very sorry to learn of the painful accident which befell David Rust, secretary of the Pennsylvania Horticultural Society during the cricket games last Saturday. Mr. Rust slipped and fell, his right foot doubling under him and dislocating the bones of his ankle. The injury is likely to keep him confined to the house at his home in Conshohocken, Pa., for quite a while.

Prof. R. S. Mackintosh, for several years professor of horticulture and forestry at the Alabama Polytechnic Institute, Birmingham, Ala., and state horticulturist, has accepted a position as head of the Department of Peach Culture at the Pennsylvania State College. P. F. Williams, assistant professor of horticulture, will succeed Prof. Mackintosh, both as professor of horticulture and state horticulturist. J. C. Price, instructor in horticulture, becomes assistant professor.

Visitors in Boston:—Mr. and Mrs. J. S. Hay and Miss Hay, are enjoying a New England trip. Mr. Hay is well-known as traveling representative of Dreer, Philadelphia.

PHILADELPHIA NOTES.

Samuel F. Lilley has moved from Sanson street to 5 Mole street. Mole street runs from Market to Ranstead between 15th and 16th. Well and centrally located for a commission florist.

Peter Flanigan, in charge of the outside work at Fairmount Park, will spend his vacation in Rochester, and will go along with the Florists' Club party Aug. 15th in their special car.

The bowling team to represent the Florists' Club of Philadelphia at the Convention will be composed of the following members: Robertson, Graham, Batcheller, Dodds, Connor and Adelberger.

John Burton, wife, and daughter, left on the 2nd via joy wagon for a sojourn at Lake Hopatcong in the Highlands of New Jersey. Incidentally a flying visit was made to Jno. N. May at Summit.

Harry Sim, the hardy perennial expert at Dreer's, will sail on the S. S. California from N. Y., August 6th, for a few weeks' vacation, and will try hard to forget business during his sojourn in the British Islands. His uncle, Charles Sim, the landscape contractor of Rosemont, leaves the other side same date—so it will probably be a case of "ships that pass in the night" with these two relatives.

Visitors: F. Johnson from A. L. Randall & Co's, Chicago; Patrick O'Mara, New York.

CINCINNATI PERSONALS.

E. G. Gillett and family have returned from Traverse City, Mich.

Julius Baer and family are spending a ten days' visit at Elkhart Lake, Wis.

Visitors: C. E. Hawkins of the Lake Shore Ferneries, Leesburg, Fla.; Mr. Dillhoff, representing Schloss Bros., New York.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heintz.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

ASTERS per 100 \$1.50-\$2.00

Our supply of Asters is at its best now. Use them instead of Carnations, whenever you can, as we consider them the best value in cut flowers at this time of the year.

FIELD-GROWN CARNATION PLANTS

All the plants we are offering are grown in this section. Each lot, before we list them are carefully inspected, to insure that the plants are in a good healthy condition. Write for complete list.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

A. MOLTZ

MAURICE L. CLASS

A. Moltz & Co. **WHOLESALE FLORISTS**

Purchase in New York Wholesale Markets on order and can supply at favorable prices all varieties of cut flowers in selected grades and any quantity.

Open from 5 A. M. to 6 P. M.

COOGAN BLDG., 55-57 WEST 26 ST.

Telephone 2921 Madison Sq. New York City

ASTERS

Queen of the Market, White Ostrich Plume

Choice stock, good flowers and good stems.
\$1.00, \$1.50, \$2.00.

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 2	TWIN CITIES Aug. 2	PHILA. Aug. 2	BOSTON Aug. 4
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
" Extra.....	15.00 to 20.00	15.00 to 20.00	..... to 18.00	10.00 to 15.00
" No. 1.....	10.00 to 15.00	10.00 to 10.00	..... to 12.00	6.00 to 8.00
" Lower grades.....	1.00 to 5.00	5.00 to 10.00	4.00 to 8.00	1.00 to 3.00
Bride, 'Maid, Chateaux, F. & S....	6.00 to 8.00	4.00 to 6.00	4.00 to 5.00	2.00 to 4.00
" Lower grades.....	2.00 to 3.00	2.00 to 4.00	1.00 to 2.00	.50 to 1.00
Killarney, My Maryland, Fan, & Sp	8.00 to 10.00	6.00 to 10.00	5.00 to 8.00	3.00 to 5.00
" Lower grades.....	3.00 to 4.00	4.00 to 6.00	1.00 to 4.00	.50 to 1.00
Richmond, Fancy & Special.....	6.00 to 8.00	6.00 to 8.00	3.00 to 5.00	2.00 to 5.00
" Lower grades.....	3.00 to 5.00	4.00 to 6.00	1.00 to 2.00	.50 to 1.00
Kaiserin, Carnot, Fancy and Sp....	6.00 to 8.00	6.00 to 9.00	6.00 to 8.00	4.00 to 6.00
" Lower Grades....	3.00 to 5.00	4.00 to 6.00	2.00 to 5.00	.50 to 2.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	2.00 to 3.00	2.00 to 3.00	..... to 2.00	.75 to 1.50
	1.00 to 1.50	1.00 to 2.00	..... to 1.00	.50 to .75
MISCELLANEOUS				
Cattleyas.....	10.00 to 50.00	30.00 to 60.00	..... to 60.00	25.00 to 35.00
Lilies.....	10.00 to 12.00	10.00 to 12.00	..... to 10.00	4.00 to 5.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	..... to 3.00	1.00 to 3.00
Asters.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	.50 to 1.50
Daisies.....	.50 to 1.00	1.00 to 1.25	..... to .....	.25 to .50
Snopdragon.....	..... to .....	.75 to 1.50	..... to	1.00 to 2.00
Gladioli.....	..... to .....	..... to .....	..... to	3.00 to 5.00
Sweet Peas.....	.25 to .50	.35 to .75	..... to .50	.10 to .30
Gardenias.....	..... to	10.00 to 15.00	..... to	4.00 to 8.00
Adiantum.....	..... to 1.00	.75 to 1.25	..... to 1.00	1.00 to 1.25
Smilax.....	12.00 to 15.00	12.00 to 15.00	..... to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	35.00 to 40.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" " & Spreu. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO., 15 PROVINCE STREET, BOSTON, MASS.
9 CHAPMAN PLACE,

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers Bring in Your Orders. Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by]

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET VORR \$2.00 large bag.

Convention Number—Best Issue of the Year—Next Week

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
ROSE PINK ENCHANTRESS.....	7.00	60.00
WANOKA	6.00	50.00
MAY DAY.....	7.00	60.00
ENCHANTRESS	7.00	60.00
WHITE ENCHANTRESS	8.00	70.00
WHITE PERFECTION.....	7.00	60.00
SNOW FLAKE.....	6.00	50.00
GEORGIA	6.00	50.00
MRS. J. C. VAUGHAN.....	6.00	50.00
BAY STATE.....	6.00	50.00
BEACON	7.00	60.00
O. P. BASSETT.....	6.00	50.00
VICTORIA	7.00	60.00
PINK DELIGHT	12.00	
DOROTHY GORDON	12.00	100.00

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

**1608-20 Ludlow Street,
PHILADELPHIA, PA.**

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

Trade in all lines leans to the moderate side. In the meantime the stock being sent in to the market is gradually improving and nobody need go without good flowers for any sort of an occasion. The growers are now beginning to cut from June-planted roses. The product is, as yet, very weak and has little commercial value. So long, however, as the summer favorites, Kaiserin, Carnot and Maryland, hold good the rose question is easily solved. As to American Beauty, much of the cut being sent in is defective in the bud. Stems are of usual length to warrant their classification by the grower as specials but other qualifications are missing and when a couple of dozen acceptable flowers have been selected from the pile there remain six dozen that can never be disposed of at top price. Carnations are just beginning to move and a few days more will see them beginning to resume their place in the market which was vacated some weeks ago. Asters are on the upward course as to quality but not as to value. They are better than at this time last year but much more abundant also and the selling price is affected accordingly. They are well worth all that is asked for them. Lily of the valley is excellent as to quality but moves very sluggishly. Sweet peas have been affected more or less by the recent rains but they needed the rain and a good crop should soon follow.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 2	DETROIT Aug. 2	BUFFALO Aug. 2	PITTSBURG Aug. 2
ROSES				
Am. Beauty, Fan. and Sp.....	12.00 to 20.00	16.00 to 20.00	20.00 to 25.00	0.00 to 25.00
Extra	8.00 to 10.00	12.00 to 16.00	12.00 to 15.00	12.50 to 15.00
No. 1.....	4.00 to 6.00	5.00 to 12.00	7.00 to 10.00	8.00 to 10.00
Lower grades.....	2.00 to 3.00	3.00 to 8.00	2.00 to 4.00	..... to 4.00
Bride, 'Maid, Chatenay, F. & S....	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	10.00 to 10.00
Low. gr.....	2.00 to 3.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Sp....	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	8.00 to 10.00
Lower grades.....	2.00 to 3.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Richmond, Fancy & Special.....	4.00 to 6.00	5.00 to 9.00	5.00 to 6.00	8.00 to 10.00
Lower grades.....	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Kaiserin, Carnot, Fancy and Sp....	6.00 to 8.00	6.00 to 8.00	5.00 to 7.00	8.00 to 10.00
Lower Grades.....	2.00 to 4.00	3.00 to 6.00	3.00 to 4.00	4.00 to 6.00
CARNATIONS, Novelties and Fancy				
" Ordinary	1.00 to 1.50	1.00 to 1.50	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas.....	6.00 to 8.00	12.50 to 15.00	8.00 to 12.00	75.00 to 8.00
Lilies.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asters.....	1.00 to 1.50	.50 to .75	.50 to 1.00	..... to 1.00
Daisies.....	4.00 to 8.00	50 to 1.00	1.00 to 2.00	..... to 4.00
Snapdragon.....	3.00 to 6.00	..... to 3.00	3.00 to 4.00	..... to 4.00
Gladioli.....	.25 to .50	.30 to .50	.20 to .50	25 to .20
Sweet Peas.....	..... to 1.50	.50 to 1.00	1.00 to 1.50	1.00 to 1.50
Adiantum.....	12.00 to 15.00	..... to 15.00	15.00 to 15.00	12.50 to 15.00
Smilax.....	25.00 to 40.00	20.00 to 40.00	50.00 to 60.00	35.00 to 50.00
Asparagus Plumosus, strings (100)	25.00 to 40.00	20.00 to 40.00	25.00 to 50.00	..... to 25.00
" & Spren. (100 bchs.)	25.00 to 40.00	20.00 to 40.00	25.00 to 50.00	..... to 25.00

With the warmest kind of weather to contend with, trade is fairly satisfactory for the season. Carnations are gradually leaving us and what few are had are small and poor; still there is some demand for them. Roses have not been too plentiful, especially Carnot and Kaiserin, and a good call has been had for these summer roses. My Maryland holds out well and some choice blooms are still had. Beauties cut from old plants are still had and the short grades have had a good call.

Asters and gladioli are improving daily and only a few choice blooms are seen at the present, all being picked up quickly. Some excellent giganteum lilies are had in quantity, and the market is well supplied with all other varieties of lilies, but demand is not strong. Plenty of peas, cornflowers, etc.

The market last week CHICAGO, somewhat relaxed from its strained condition of the two previous weeks. Stock

(Reports continued on page 183)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.

Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

J. K. ALLEN
Wholesale Florist

Established 1887. Open 3 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK

'Phones 3860 3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.
REED & KELLER

122 West 25th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
49 West 28th St., New York City
TEL. 1998 MADISON SQUARE

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 30 1910		First Half of Week beginning Aug. 1 1910	
American Beauty, Fancy and Special.....	10.00	to 20.00	15.00	to 25.00
" " Extra.....	8.00	to 10.00	10.00	to 15.00
" " No. 1.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, 'Fald, Golden Gate, Fancy and Special.....	.....	to .....	.....	to
" " Lower Grades.....	.75	to 2.00	.75	to 2.00
Killarney, Richmond, Fancy and Special.....	2.00	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, Maryland, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Carnations, First Quality	1.00	to 2.00	1.00	to 2.00
" " Ordinary .....	.5	to 1.00	.50	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
5833

CINCINNATI FLORISTS' SOCIETY.
The next regular meeting of this Society will be held at the Jabez Elliott Flower Market, Aug. 8th, at 8 p. m. There are quite a few applicants for membership among the retail florists. The enrollment of retail dealers in our Society, heretofore, has been woefully lacking.

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
 Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

ELBERON HORTICULTURAL SOCIETY.
At the meeting of the Elberon Horticultural Society held on Aug. 1 the plans for the fall show were reported on favorably. The following points were awarded: To A. Bauer, 80 points for C. gigas; Wm. Seymour, 85 for pandanus; C. O. Duncan, 75 for Nico-tiana affinis.

Flower Market Reports

(Continued from page 181)

came in a little more plentifully along most lines. Beauties and other roses especially more in evidence while asters began to show up in earnest. Unt'l this writing asters have been on very short stems and rather unsatisfactory generally, but now the stems are lengthening out and the flowers are getting more nearly perfect. Kaiserins are generally off crop and White Killarney is showing pink from the warm weather, leaving a ready market for good white asters. Tuberoses are selling for 75 cents per dozen stalks. A few peonies are still seen and there are quantities of gladioli. Carnations are as nearly out of the market as they ever get. There are quantities of Easter lilies.

Business is all that CINCINNATI could be desired for this time of the year. Stock is coming in more plentiful since last report, and moving to good advantage. The local retailers have been busy and this with a good out-of-town demand has helped to keep the wholesaler fairly busy also. The supply of Beauties is about equal to the demand. Good pink and white roses are cleaned up on arrival. Short roses are much in evidence and sell at a low figure. Gladioli are abundant and of good quality; in these, light shades have the call. The fancy colors are mostly used for window decorations. Liliun auratum, longiflorum and speciosum are about equal to requirements. Hydrangea paniculata has made its appearance and cleans out at some price or other. The receipts of asters are very light for the beginning of August and those that are received are of an inferior quality and bringing good prices taking the quality into consideration. There is a fair sale for green goods, with an ample supply.

The month of July has been the banner month, DETROIT being ahead of previous ones by at least 60 per cent. The supply of flowers at present is the worst ever seen.

General business continues very light in the wholesale cut-flower section. Neither local nor out-of-town trade has any noticeable life and there is no reason to look for any change in these conditions for the present. American Beauty roses are about equal in supply to the demand, which is not saying much. The small roses are all very poor and move slowly. Asters are increasing rapidly in quantity and in quality as well, there being some excellent stock now in evidence and they bring a fair price. Lilies still a burden.

Usual summer conditions prevailed here last week. Trade was rather sluggish and did not pan out so well as the week previous. This was notably the case in the clean-up in which there was a large amount of poor stock that went for next to nothing—or was thrown out. A good deal of the inferior stock was composed of small short-stemmed asters, and other out-door items. Really first-class asters sold all right; but there were far too many of the low grade. Good gladioli sold well but there were some poor ones among



NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 30 1910		First Half of Week beginning Aug. 1 1910	
Cattleyas.....	30.00	to 60.00	30.00	to 60.00
Lilies.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.50	to 2.00	.50	to 2.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	4.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spreng. (100 bchs).....	10.00	to 15.00	10.00	to 15.00

these also. American Beauty roses: fair demand; quality good. Not much doing in Richmond and Liberty—and they seem to be rather scarce. Carnations do not improve much, and are selling only fair. The supply of cattleyas is rather light but apparently enough for the demand. Gardenias ditto. Sweet peas, few and poor. Water lilies are very good and plentiful; but the demand is not extra brisk. Among the new items noted this week were: cosmos, zinnias, tritomas and hydrangea heads.

CHICAGO NOTES.

News of the Trade.

The two century plants at Lincoln park are blooming for the first time. They were given by the late Potter Palmer many years ago.

Vaughan & Sperry had asters last week, the stem of which, by actual measurement, were twenty-eight inches and carried proportionately fine blossoms.

O. J. Friedman had an aster window that was both simple and effective. The floor was massed and three large vases holding the longest stemmed asters the market afforded, in harmonizing colors, occupied conspicuous places.

There was a fire scare in the Flower Growers' Market, Tuesday, when flames suddenly leaped up to the windows. Someone had dropped a lighted cigarette from an upper window, igniting the awning. Manager Linner soon had the blaze extinguished.

Personal.

Fred Strail of Strail & Hahn, spent a few days last week at his cottage at Twin Lakes, Mich.

John Kruchten has taken his family to The Dells, Wis., for a week's rest and recreation.

Divorce proceedings have been started by Fred Stollery against his wife. Both are well known florists, but the Mr. Frees named is not O. W. Freese in Poehlmann Bros. as your corres-

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

pondent willingly states. The similarity in the names might easily cause embarrassment.

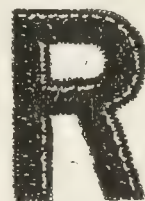
Mrs. E. H. Hunt, president of the E. H. Hunt Co., writes from the Catskills that she is greatly enjoying the summer's outing among the trout streams. Mrs. Hunt leaves for Old Hadley, Mass., this week.

Mrs. Kochman, who operates the store known as the Walter Kreitling floral store has been in the florists business in Chicago twenty-seven years. Walter Kreitling was her brother and since his death seven years ago she has continued the business which is in the Chicago Club building.

Visitors—Mrs. H. C. Hinchliff, Racine, Wis.; Robt. Newcomb, Brisbane, Arizona.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All in Stock

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.

For page see List of Advertisers.

Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.

For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.

For page see List of Advertisers.

H. E. Flske Seed Co., Boston, Mass.
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

J. Soleillet, Toulon, France.
French Hyacinths, Narcissi and Freesias.

Dutch Bulb & Seed Growers Co., Haarlem,
Holland.

Dutch Bulbs.

CALIFORNIA-GROWN BULBS—Competent authority asserts that California-grown bulbs bloom more freely than the imported stock. We have a fine assortment. Send for our price list. PARK HILL FLORAL CO., Hemet, Cal.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.

Field-Grown.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

J. D. Thompson Carnation Co.,
Joliet, Ill.

For page see List of Advertisers.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLD STORAGE LILIES

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum. Large flowering, mixed colors, fine bushy plants, 4 inch, \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

For page see List of Advertisers.

For List of Advertisers See Page 188

DECORATIVE PLANTS—Continued

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Frank Oechalin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
F. B. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
Ferns in Flats.
For page see List of Advertisers.
Henry A. Dreer, Philadelphia, Pa.
Ferns for Dishes.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.
JARDINIÈRE FERNS—5 best varieties.
2 1/2-in. pots, fine stock, \$3.00 per 100,
\$25.00 per 1000. Rose Hill Nursery, New
Rochelle, N. Y.

FERTILIZERS

Palverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FLOWER POTS—Continued

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.
Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.
Geraniums, rooted cuttings of Blecard,
Poltervine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.
Geraniums. Ricard, 2 in., \$1.75 per 100.
J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.
Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GLAZING PUTTY

E. H. Hunt, Chicago, Ill.
"Elastic-Lyke"
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL—Continued

A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.
Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
The Kervan Co., New York.
For page see List of Advertisers.
Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
Kroeschell Bros. Co., 468 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

Next Week—Special Convention Number—Where's Your Ad.

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

ORCHID PLANTS—Continued

- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 108.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards,
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

- A. T. Boddington, N. Y.
Giant Pansy Seed.
For page see List of Advertisers.
- Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.
For page see List of Advertisers.
- Henry F. Michell Co., Philadelphia, Pa.
Giant Pansy Seed.
- J. M. Thorburn & Co., New York.
French Crown.
For page see List of Advertisers.
- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Tral-
liases. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- August Rolker & Sons, New York, N. Y.
New Baby Ramblers.
For page see List of Advertisers.

GOOD PLANT STOCK FOR SALE:

5000 American Beauties @ 8 cents; 2000
Maids @ 5 cents; 300 Gardenia (extra
fine) @ 15 cents. All in 4 inch pots.
Also 10 second hand 4 inch hot water
valves @ \$2.50 each.
Brant-Hentz Flower Co., Madison, N. J.
The Rose by H. B. Ellwanger: mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

For List of Advertisers See Page 188

SEEDS

T. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Pansy Seed.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Primula Seed.
For page see List of Advertisers.

H. E. Flske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
Cineraria Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

Francis Brill, Hempstead, L. I., N. Y.

SILKALINE

John C. Meyer & Co., Boston, Mass.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkalline.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lacey &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Dewling Spray Pump.
For page see List of Advertisers.

STOCK FOR SALE

STOCK FOR SALE—Strong Plants,
Begonia Limbosa, 2 1/2 in. Make fine 5-in.
stock for Christmas, \$4.00 per 100, \$35.00
per 1000. Rose Hill Nursery, New Roch-
elle, N. Y.

STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.
Pot Grown.
For page see List of Advertisers.

STOKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.
For page see List of Advertisers.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

CELERY PLANTS. A No. 1 Trans-
planted, well rooted, the kind that grow
to culls. White Plume and Giant Pascal.
Mail and express orders filled promptly.
Let me price you by the 100, 1000 or 5000
lots. W. C. Lester, 67 West Main St.,
Plainville, Conn.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
model encased, self-rolling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York
For page see List of Advertisers.

WHOLESALE FLORISTS**New York—Continued**

Moore, Hents & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

Phillip F. Kessler, 55 & 57 W. 26th St., N. Y.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

A. Moltz & Co., 55-57 W. 26 St., New York.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

New Offers in This Issue.**ANNOUNCEMENT OF MEETING.**

Florists' Hall Association.
For page see List of Advertisers.

**ARAUCARIAS, KENTIAS AND
FERNS.**

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

ASTER SEED.

Vick & Hill, Rochester, N. Y.
For page see List of Advertisers.

EVERGREENS, PRIVET.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

**EXHIBIT OF NOVELTIES AT
ROCHESTER.**

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

GREENHOUSE TO LEASE.

Sidis' Institute, Portsmouth, N. H.
For page see List of Advertisers.

MUSHROOM SPAWN.

H. F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

**RHODODENDRONS HARDY AND
FORCING VARIETIES.**

John Waterer & Son, Bagshot, England.
For page see List of Advertisers.

TURNIP SEED.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

WHOLESALE SEED GROWERS.

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

WINTER FLOWERING BEGONIAS.

J. A. Peterson, Cincinnati, Ohio.
For page see List of Advertisers.

Next Week—Special Convention Number—Where's Your Ad.

List of Advertisers

Page	Page
Advance The Co. 191	Leuthy, A. & Co. 163
Allen, J. K. 182	Lord & Burnham Co. 192
Aphine Mfg. Co. 174	MacMulkin, E. 178
Aschmann, G. 163	Matthews 178
Barrows & Son. 163	McCarthy, N. F. & Co. 183
Bayersdorfer, H. & Co. 179	McConnell, Alex. 178
Beaven, E. A. 183	McCray Refrigerator Co. 179
Bobbiuk & Atkins. 164	McCullough's J. M. Sons Co. 180
Boddington, A. T. 175	McHutchison & Co. 175
Boston Florist Letter Co. 183	McKellar, C. W. 180
Boston Plate & Window Glass Co. 191	McKissick, W. E. & Bros. 180
Breck, J. & Sons. 177	McManus, Jas. 182
Breitmeier's, J. Sons 178	Michell, H. F. Co. 176
Bridgeman's Seed Warehouse 177	Michigan Cut Flower Ex. 183
"Buds" 177	Millang, A. 182
Burpee, W. A. & Co. 177	Millang, Chas. 182
Burr, C. R. & Co. 164	Moltz, A. & Co. 180
Buxton, Doane Co. 191	Moninger, J. C. Co. 191
Carrillo & Baldwin 162	Moore, Hentz & Nash 182
Chicago Carnation Co. 163	Morse, C. C. & Co. 177
Clarke's, D. Sons. 178	Murray, Samuel. 178
Cowee, W. J. 180	N. E. Nurseries. 164
Craig, Robt. Co. 183	Niessen, Leo Co. 180
Crawback, G. W. 182	Oechslin, Frank. 162
Dards 178	Ordenez Bros. 162
Dingee & Conard Co. 164	Ouwkerk, P. 164
Dorner & Sons Co. 163	Paletrophe, P. R. Co. 189
Dreer, H. A. 173-190	Palmer, W. J. & Son 178
Dunlop, John H. 178	Park Floral Co. 178
Dysart, R. J. 183	Parshelsky Bros. 191
Eastern Chemical Co. 189	Peacock Dahlia Farms 164
Edwards Folding Box Co. 180	Pennock-Meehan Co. 181
Ellwanger & Barry 175	Perkins St. Nurseries 163
Elliott, W. Sons. 177	Peters & Reed Co. 190
Elser, J. G. 190-191	Peterson, J. A. 175
Ernest, W. H. 190	Pierce, F. O. 190
Eyers 178	Pierson, F. R. 174
Farquhar, R. & J. & Co. 164	Pierson, A. N. 163
Fiske, H. E. Seed Co. 177	Pierson U-Bar Co. 192
Foley Mfg. Co. 191	Poehlmann Bros. 180
Ford, M. C. 182	Reed & Keller. 182
Freeman, G. L. Co. 162	Reinberg, Peter. 180
Froment, H. E. 182	Rice Bros. 180
Frost, Chas. 177	Rice, M. & Co. 162
Galvin, Thos. F. 179	Rickards Bros. 177
Glockner, Carl R. 174	Robinson & Co. 180
Greater N. Y. Florists' Asso. 182	Rock, Wm. L. 178
Grey, T. J. Co. 177	Rohrs, Julius Co. 162-163
Gude Bros. Co. 178	Roland, Thos. 163
Guttman, Alex. J. 182	Rolker, A. & Sons 174-190
Hail Association 190-191	Rosens 180
Heacock, Jos. Co. 175	Sander & Son. 162
Heini, Geo. A. 178	Schlegel & Fotter Co. 177
Herbert 164	Schultz, Jacob. 178
Hews, A. H. & Co. 190	Scott, John. 163
Hillfanger Bros. 190	Sharp, Partridge Co. 191
Hill, The E. G. Co. 164	Sheridan, W. F. 182
Hitchings & Co. 192	Sidis Institute. 188
Hoerber Bros. 180	Siggers & Sigers 191
Home Corresp. School 188	Skidelsky & Irwin 177
Horan, E. C. 182	Smith, E. D. & Co. 163
Hotel Seneca. 171	Smith, P. J. 182
Hunt, E. H. 180-190	Smith, W. & T. Co. 164
Jacobs, S. & Sons. 191	Smyth, Wm. J. 148
Jager, Chas. J. Co. 189	Soleillet 143
Kasting, W. F. Co. 182	Standard Plate Glass Co. 191
Kervan Co. 182	Stearns, A. T. Lumber Co. 191
Kessler, P. F. 182	Stratford, Geo. Oakum Co. 189
King Cons. Co. 191	Stump & Walter Co. 189
Krick, W. C. 182	Syracuse Pottery Co. 190
Kroeschell Bros. Co. 191	Tailly 178
Kuebler, W. H. 182	Thompson, J. D. 163
Lager & Hurrell. 162	Thorburn, J. M. & Co. 177
Langjahr, A. H. 182	Thurlow's, T. C. Sons, Inc. 164
Lawrence, H. V. 178	Totty, Chas. H. 163
Leonard Seed Co. 177	

Page	Page
Valentine, J. A. 178	Welch Bros. 180
Vick & Hall. 175	Wheeler, Wilfrid 164
Vicks, Jas. Sons. 177	Wilson 178
Vincent, R., Jr. & Sons. 163-177	Wood Bros. 163
Wadsworth, B. E. 163	Woolley, A. M. 172
Wants, For Sale. 188	Yokohama Nurseries 164
Ward, R. M. & Co. 177	Young & Nugent. 178
Waterer, John & Sons 172	Zangen, O. V. 177
	Zinn, Julius A. 179
	Zvolanek, A. C. 177

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED AT ONCE—Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of herbaceous perennial grounds. State particulars and send references. Address. Southworth Bros., Nurseries, Beverly, Mass.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

SITUATIONS WANTED

SITUATION WANTED, FARM MANAGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address. "Seeds" care HORTICULTURE, Boston, Mass.

Landscape Gardening



A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

PROF. CRAIG

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

SITUATIONS WANTED

Gardener and Superintendent, married, age 36, experienced in greenhouse, flower and vegetable gardening, and any work connected with the upkeep of a large or small private estate. Can refer to past employers. Apply HORTICULTURE, Box 67, Newport, R. I.

T. D. HATFIELD of Wellesley, Mass., would like to find a place for his son as assistant. He is 21 years of age and has been employed on the Hunnewell estate three years. Private or commercial.

WANTED by young man 21 years old, with 7 years experience, a position in good place as improver. Private or commercial. Write Leon Suave, Head Gardener, Sharholme, Stonington, Conn.

GARDENER and superintendent, German, married, age 41; experienced in landscape, greenhouse, flower and vegetable gardening; also in all work connected with maintenance of large private place; good references. P. Wenzel, Greenwich, Conn.

FOR SALE

FOR SALE OR TO LET—Three green houses, one 18 x 85, two 15 x 75 each; six and one-half miles from Boston market; all modern conveniences. Also lot of land for outside use. Terms reasonable to right party. Apply to Samuel Brown, 320 Beale St., Wollaston, Mass., N. Y., N. H. & H. R. R.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write L'ARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

Greenhouse Property To Lease

I wish to find the right man to lease the greenhouses and adjoining necessary property, land and buildings on the estate of the Sidis' Institute at Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 4500 square feet under glass. There are also cold frames of brick with a total area of 4500 square feet. There are two graperies with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

ADDRESS:

Sidis' Institute, Maplewood, Farms, PORTSMOUTH, N. H.

Obituary.

Henry J. Bowden.

Henry J. Bowden, nurseryman of Rochester, N. Y., died July 23rd at 32½ Meigs street.

Jean Soupert.

Jean Soupert, of Soupert & Notting, rose specialists of Luxembourg, died July 17th, age 77 years.

Joseph Zellers.

The funeral of Joseph Zellers was held Friday, July 29th, at his home, Burnett avenue, Hilton, N. J. Mr. Zellers was engaged in the raising of pansies, etc.

Luther W. Fuller.

Luther W. Fuller, who for a number of years has conducted a commercial greenhouse in Greenfield, Mass., died at his home in that town on August 1, aged 66 years. He was an ardent flower lover.

E. H. Reynolds.

E. H. Reynolds, the oldest nurseryman in the state and pioneer of Monroe, Mich., died July 21st, age 91 years. He was a native of New York and came to Michigan in 1840. He is survived by two daughters.

William Rennie.

William Rennie, seedsman of Toronto, Ont., died July 21st at his residence. He had been in poor health for some time and suffered a shock of paralysis May 23rd, after which he declined steadily. He was 75 years of age. In 1889 he retired from business and his three sons, Robert, John and Thomas took charge of the business. For six years he was farm superintendent at the Ontario Agricultural College at Guelph and when he returned to Toronto he published a volume entitled "Successful Farming." Besides the three sons in Toronto, another son is at Hakodate, Japan, connected with the Agricultural College.

NEWS NOTES.

Chartley, Mass.—Mrs. Harriet Dorr, Main and Oak streets, has sold her greenhouse and farm to a Boston party.

Mt. Vernon, N. Y.—S. J. Clark, So. 4th avenue, has purchased the greenhouse of E. J. Nordman, 112 North 8th avenue, and will conduct both places.

Lansing, Mich.—Dr. Ernest A. Bessey, professor of botany at the Louisiana University in Baton Rouge has been engaged as head of the Botanical Department of the Michigan Agricultural College to fill the vacancy left by the resignation of Dr. W. J. Beal.

Washington, D. C.—Vernon Jett alias Harry Arnold, who was arrested July 20th charged with violation of the postal laws, was arraigned the same day before United States Commissioner, Anson S. Taylor. It was charged that he used the mail to defraud the Herrick Seed Co. and the Perry Nursery Co., of Rochester, N. Y. He entered a plea of guilty and was held in \$1,000 security for the action of the grand jury and in default of bail he was committed to jail.

Strokum Stops Caterpillars Anyone Can Put it On

Simply band it around your trees. No need to cut bark down smooth before applying, as Strokum fills up the bark chinks, and the caterpillars or tussock moths can't crawl under it, and won't crawl over it.

The third crop is now going up the trunks, so now is the time to put on Strokum. It lasts an entire season, but does not stick to the bark all winter as do the unsightly smeared-on tar preparations.

Does not dry up as does fly paper. Is not carried off by the birds as is cotton.

Strokum is a purely vegetable product that we guarantee to be perfectly harmless.

Send \$1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi. 50c. extra West of it. Send for booklet.



George Stratford Oakum Co.

164 Cornelison Avenue, JERSEY CITY, N. J.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

Imp Soap Spray

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only Spray Not Poisonous to Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.

Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

KILMDEAD

The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50
Stump & Walter Co. 50 Barclay St., New York.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

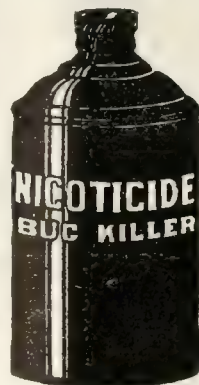
CHARLES J. JAGER CO.,
281-285 Franklin Street, BOSTON

INCORPORATED.

Pierre, S. Dak.—Western Florist Co., capital stock \$100,000.

Seattle, Wash.—Seattle Seed Co., capital stock \$35,000. Incorporators Henry Schuett and Mabel C. Schuette.

Morison, Ill.—R. R. Davis & Co., florists, capital stock \$60,000. Incorporators, R. R. Davis, J. W. Steiner and Frank L. Davis.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.,
OWENSBORO, KY.

IN BANKRUPTCY.

Wooster, Ohio.—F. H. DeWitt Co. and Frank H. DeWitt, an individual, have filed a petition in bankruptcy with liabilities estimated at \$10,000 and assets \$7,000.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Arlington, Wash.—C. C. Croft, one house.

Keene, N. H.—Ellis Bros. & Co., one house.

McPherson, Kans.—C. A. Simonson, addition.

Seattle, Wash.—A. L. Aabling, range of houses.

Bessemer, Ala.—Wm. Skews, carnation house.

Seattle, Wash.—Hollywood Gardens, three houses.

Circleville, Ill.—J. J. Brehmer, house 25 x 100 feet.

Newfane, N. Y.—W. F. Tumber, house 22 x 56 feet.

Spokane, Wash.—Burnette Bros., two houses this fall.

Freeport, Ill.—Freeport Floral Co., five houses each 20 x 100 feet.

Atlanta, Ga.—Wachendorff Bros., two houses each 135 feet long.

Philadelphia, Pa.—P. J. Wolf, Jr., 2039 Sedgley avenue, one house.

Seattle, Wash.—Queen City Floral Co., three houses 25 x 200 feet.

Dorval, Can.—Forest & Stream Club, one Pierson U-Bar house.

Montreal, Can.—R. B. Angus, range of Pierson U-Bar conservatories.

Worcester, Mass.—Chas. D. Mackie, chrysanthemum house, 28 x 100 feet.

Wilmette, Ill.—The Northwestern Floral Co., two houses each 26 x 125 feet.

Des Moines, Ia.—Iowa Land Co., 31st and Crocker streets, house to cost \$1500.

Independence, Kans.—W. Hassleman, 10th and Railroad streets, one house.

Elgin, Ill.—G. B. Dawes, Page avenue, house 40 x 150 feet, Foley Mfg. Co., material.

Baltimore, Md.—W. C. Erdman, Belair Road, carnation house 40 x 200 ft. Hilpert & Hammen, Belair Road, house 35 x 150 feet.

NEWS NOTES.

Worcester, Mass.—The report that H. F. Littlefield is adding a new house 30 x 200 feet to his range is incorrect.

Polo, Ill.—H. D. Davis is moving his three greenhouses to a new location, recently purchased, just north of the former.

St. Paul, Minn.—E. Nelson suffered a considerable loss by hail recently. His greenhouse was demolished and other buildings wrecked.

Loveland, Colo.—The greenhouses of N. E. De Golier were damaged by hail June 29th, most of the glass in the entire range of 10,000 feet being demolished.

"Elastic-Lyke"

GREENHOUSE GLAZING PUTTY ("Semi-Liquid")

Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervi us to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

Sole
Distributor

E. H. HUNT,

76-78 Wabash Ave.,
CHICAGO.

HAIL STORM IN MASSACHUSETTS.

The most destructive storm that has occurred in this section for many years struck Orange, Mass., about 5 o'clock on the afternoon of August 2. Starting in with a regular cloudburst accompanied with wind, thunder and lightning, it soon developed into a downpour of hail, the hail stones as large as horse chestnuts soon covering the ground in an icy white mantle, and the streets were rivers of water in a short time. The hail stones striking the water made a very peculiar display as the water spurted or splashed up, resembling thousands of nature geysers. The lawns are covered with leaves stripped from the trees by the hail and the ground under the fruit trees is covered with small fruit. Corn fields are torn to shreds and in some instances are laid flat. The small amount of damage done to the greenhouses of A. Fanieuf and Mrs. M. J. Cochran is remarkable. Mr. Fanieuf says that only about 100 panes of glass were broken on his cucumber house and Mrs. Cochran reports only five or six broken with a small number cracked. Trees and chimneys were broken down and flower beds and gardens look as though a herd of buffaloes had stampeded them. L. Merton Gage writes that fortunately his gladioli were not seriously damaged, although many that he was seeding were pretty well cut up, and adds that a neighbor of his remarked that he had a new strain of foliage cannas now, which he calls "shredded-leaf cannas" and another bed of "perforated caladiums."



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crates \$4.88	144 6 in. pots in crates \$3.96
1500 2½ " " " 5.25	120 7 " " " 4.20
1500 2½ " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3½ " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crates \$3.60
450 4½ " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
210 5½ " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.90

Send pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

FLORISTS' HAIL ASSOCIATION

The annual meeting of The Florists' Hail Association will be held at Convention Hall, Rochester, N. Y. on Thursday, August 18th, 1910 at 9 A. M.

JOHN G. ESLER, Sec'y

**Holds Glass
Firmly
See the Point**

PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St. Phila., Pa.

**FULL SIZE
No. 2**

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

WE FURNISH ONLY
THE BEST

Gulf Cypress Greenhouse Material
Plans and Estimates Free

Private Houses and Conservatories a Specialty
Ventilating Machinery—Iron Fittings

FOLEY'S STEEL ROOF TRUSSES

Paint, Glass, Putty, Hot Bed Sash

PECKY CYPRESS FOR BENCH MATERIAL

THE FOLEY MFG. CO.

Western Ave. and 26th St.

CHICAGO, ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington
Saves time and insures better service
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

Letter from W. J. Palmer & Son, two years after adopting the new construction—

We have now had your Iron Frame Construction in use in our new carnation range for two years, and have found it entirely satisfactory, amply strong, and at the same time casting the minimum amount of shade.

We have in the past largely used the flat rafter type of iron frame house, but adopted the King Type on its merits and not on the question of price, though quotations we received for the flat iron rafter houses were 40 per cent. higher than yours.

We consider the Iron Frame House the best, and believe that you have promoted the best interests of growers by introducing a superior type of Iron Frame Construction, which is so reasonable in price that there is no longer any excuse for the building of either cheap wooden houses or expensive types of iron frame houses.

Wishing you every success, we remain, Yours respectfully,

W. J. PALMER & SON

Send for Bulletin No. 35 which describes

The King Iron Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

GLASS

We still suggest, before buying,
write us for Prices.

LONG DISTANCE PHONE CANAL 880.

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

Greenhouse Material and Sash
Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781. BROOKLYN, N. Y.

The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475



WHAT?

What is the use of theor zing when you have coal facts right before you?

When a boiler has proven itself every way satisfactory in doing certain kinds of greenhouse heating—and has proven over and over again its great economy for such work what is the use of arguing the question and trying to get a man to buy any but the Corrugated Boiler when it's the Corrugated Boiler he wants?

We don't. Every one gets the one he wants, and this Corrugated has a host of friends.

We took one out a couple of weeks ago that had been doing steady duty for thirty-three years. Can you beat that?

Hitchings & Company

ELIZABETH, N. J.



Combination of Greenhouse and Garage

Here is an idea for you—it's a good one. Hook your greenhouse to the garage and then the one heating plant can heat them both. In this one of Mr. W. H. Chesebrough's at Spring Lake, N. J., the gardener, J. D. MacGregor, has snug, comfortable rooms over the garage, making a handy fix for him and his family.

You see that the house is our new Curved Eave Construction, which is remarkable for its great lightness.

You need have no misgivings as to the durability of any feature, as the construction is our Sectional Iron Frame Construction, with such modifications as were necessary to make the curved eave, and combine the sill and gutter in one.

Send for our special Curved Eave Circular. It tells you just what you want to know. It is illustrated in four colors.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

LIBRARY
NEW YORK
BOTANICAL
GARDEN

Vol. XII.

AUGUST 13, 1910

No. 7



ROCHESTER ASTER
THE FLOWER CITY EMBLEM

Rochester Convention Number

U KNOW US!

LET'S KNOW U!

ALWAYS WELCOME

YOU are always welcome to our Show Rooms, Factory and Store Rooms, where you will find the finest, newest and most up-to-date **FLORISTS' SUPPLIES AND RIBBONS.**

Call any time. Look things over. Let's get better acquainted. It pays.

Of course, we will be represented at the S. A. F. Convention. See our Exhibit. Look us up.

You are just as welcome there as in our own modern building. Have your mail or telegrams sent in our care.

Everything for your Convenience

**The Leading Florists' Supply House
And Ribbon Specialists**

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA

Our New Illustrated Katalog for the Asking

NEW BABY RAMBLERS

ROSE ORLEANS and Mrs. TAFT

Imported field grown stock of last year's elegant French Novelties: Mistress TAFT, crimson pink; ROSE ORLEANS, bright pink, white eye; both force readily, foliage healthy, by far preferable to the Old Baby Rambler. Fall delivery f.o.b. N. Y. duty paid: \$20.00 for fifty; \$37.50 for one hundred. TRY these NOVELTIES now for winter flowering and for Easter forcing! Address

AUGUST RÖLKER & SONS, NEW YORK, 31 Barclay St., or P.O. Box 752

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS FOR AUGUST AND SEPTEMBER PLANTING

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$60.00
3-4 feet.....	6.00	50.00
Golden, 18-24 in....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
Each Per Doz.		
" Pungens Glauca Koster		
True Blue, 2-2½ ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00
Roots dug with ball and burlapped		
10c. extra.		

CALIFORNIA PRIVET.

October Delivery.

2 years cut back and nicely branched.	Per 100	Per 1000
3-4 feet.....	\$5.00	\$40.00
2-3 feet.....	4.00	35.00
Berberis Thuabergii,		
18-24 in., very bushy	12.00	100.00
18-18 in., very bushy	8.00	80.00
This is the best of stock good growing can produce. Prompt shipment.		

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

PEONIES

We can quote you now for Fall delivery. Send us your list of wants.

T. C. THURLOW'S SONS, Inc.
West Newbury, Mass.



BOBBINK & ATKINS

World's Choicest Nursery and Greenhouse Products

We are making an exhibit at the Florists' Convention and invite all Florists and Nurserymen attending the Convention to inspect the sample products which we exhibit.

We will have our Mr. Victor Morgan and Mr. William DeBree in attendance, who will reply to all questions and give visitors their attention.

Evergreens, Conifers and Pines; Rhododendrons, Hardy and Forcing Varieties; Azaleas, Easter and Hardy Kinds; Boxwood in all Shapes; Flowering Shrubs, Bush and Standards; Shade, Standard and Weeping Trees.

Hedge Plants in Large Variety; Trailing Plants, Vines and Climbers; Bulbs—Dutch, French and Japanese Kinds; Palms and Other Decorative Plants; Bay Trees in all Shapes and Sizes; Pot-Grown Forcing Plants.

Fruit Trees and all kinds of Small Fruits; Field Grown Roses; Hardy Herbaceous Plants; Herbs and Roots.

TUBS.—We manufacture in all Shapes and Sizes; Rutherford Park Lawn Grass Seed.

ASK FOR WHOLESALE CATALOGUE

Nurserymen and Florists,

Rutherford, N. J.

ASTERS

Situated in the heart of the great Aster growing section our facilities for obtaining and shipping high grade stock are unexcelled.

GEORGE B. HART

Wholesale Dealer in Cut Flowers, Plants, Bulbs and Florists' Supplies

24 Stone Street

ROCHESTER, N. Y.

We extend a cordial invitation to all visiting Florists to pay us a visit during the Convention of the S. A. F. and O. H.

DO NOT MISS SEEING
—OUR EXHIBIT OF—

Gladiolus Blooms

DURING THE CONVENTION OF
—S. A. F. AND O. H.—

JOHN LEWIS CHILDS,

**FLORAL PARK
NEW YORK**

WANTED!

2000 Snapdragons; 2000 Chrysanthemums from pots, good stock; state varieties and price.

**JAMES WHEELER, Florist,
NATICK, MASS.**

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

ROSES

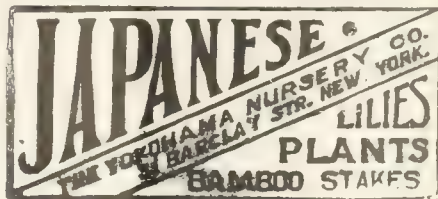
A SPECIALTY

The Dingee & Conard Co. West Grove PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hts. P. O. No. 1, Hoboken, N. J.



American Grown HARDY ROSES

Superior to Imported

Strong, Field-grown Plants of the following, ready for shipment in October:

HYBRID PERPETUAL

Alfred Colomb
American Beauty
Anne de Diesbach
Baron de Bonstetten
Clio
Francois Levet
Frau Karl Druschki
General Jacqueminot
John Hopper

Magna Charta
Mme. Gabriel Luizet
Margaret Dickson
Marshall P. Wilder
Mrs. John Laing
Mrs. R. G. Sharman Crawford
Paul Neyron
Prince Camille de Rohan
Ulrich Brunner

CLIMBERS, RAMBLERS AND TRAILERS

Baltimore Belle
Crimson Rambler
Dawson
Dorothy Perkins
Farquhar

Hiawatha
Lady Gray
Queen Alexandra
Queen of Prairies

NEW RAMBLERS

Mrs. Flight
Tausendschon
Trier, White Perpetual Blooming
Veilchenblau (Violet Blue) (Blue Rambler)

HYBRID TEAS

Caroline Testout
Gruss an Teplitz
Killarney
La France

BABY RAMBLERS

Anny Muller (pink)
Katharine Zeimet (white)
Mme. Norbert Levasseur (crimson)
Maman Levasseur (pink)

RUGOSA HYBRIDS

Agnes Emily Carman
Blanc Double de Coubert
Conrad F. Meyer
Mme G. Bruant
Nova Zembla (new)

YELLOW ROSES

Harrison Persian Soleil d'Or

All the above are growing in our Nurseries at Rochester. Personal inspection invited at the time of the Convention or samples will be sent if desired. Samples charged at 100 rate.

Send us your list for quotations stating number and varieties wanted.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Notes From the Arnold Arboretum

A genus of summer-flowering shrubs which seems not so well known as it ought to be, is *Hypericum*, with several native shrubby species well worth cultivating. They are generally bushes of rather regular round shape from three to six feet high and during July and August they are covered with bright yellow flowers. One of the best is *Hypericum prolificum* which forms when standing alone a round bush from three to four feet high with oblong dark green leaves one to three inches long and bright yellow flowers about three-quarters of an inch wide borne in many-flowered clusters at the end of the branches. Similar is *Hypericum densiflorum* with more numerous, but smaller flowers and narrower leaves; it sometimes grows to the height of six feet. Very showy is *H. aureum* with golden yellow flowers often two inches in diameter, but not as numerous as in the preceding species, and with broader glaucous foliage. It reaches a height of four feet and forms a rather regular round bush. *Hypericum Kalmianum* is similar to the first named species, but somewhat lower and of less regular and more straggling habit; the leaves are narrowly oblong and dark bluish green and the flowers slightly smaller and not as numerous. This species is the hardiest of the shrubby kinds, being a native of the great lake region, while all the others come from the south. Closely allied to *H. Kalmianum* is *H. lobocarpum* from Tennessee, which also has proved hardy at the Arboretum; both these species are easily distinguished by their five-celled fruit and their five styles, while the others have three styles and a one or three-celled fruit. A lower plant rarely exceeding two feet is *H. galioides* with very narrow linear leaves and small flowers less than half an inch in diameter forming leafy spikes at the end of the branches. It is perhaps less showy than the other species, but of very distinct appearance with its almost needle-like foliage and low dense habit; it is a good plant for borders of shrubberies. *Hypericum nudiflorum* has proved here a poor grower and is apparently not quite hardy, but may do better farther south. It forms a shrub from one to three feet high with oblong leaves and bright yellow flowers in flat, stalked clusters four to five inches broad at the end of the branches. Within the last few years two or three hybrid forms have originated at the Arboretum between *Hypericum Kalmianum*, *H. prolificum* and *H. galioides*. These seem to be more vigorous and more floriferous than the parent species, as it often is the case with hybrids and therefore will probably prove welcome additions to our summer-flowering shrubs. They need, however, further investigation and study before anything definite can be said about their horticultural properties and their botanical state. The propagation will be easy, as the *Hypericums* grow readily from greenwood cuttings in summer. The different species can also be grown from seed which germinate readily and the seedlings begin usually to bloom the second year.

Mention may be made here of a species from south-eastern Europe and western Asia, which, though not perfectly hardy at the Arboretum, ought to be recommended as a fine ground-cover in suitable localities. This is *H. calycinum*, Rose of Sharon; it scarcely exceeds one foot in height, but by means of its creeping stems and suckers it covers rapidly large stretches of ground, particularly in light and sandy soil, with a dense carpet of its handsome evergreen foliage. The golden yellow flowers are very showy and measure about three inches in diameter.

Another handsome shrub with yellow flowers now in

full bloom is *Colutea cilicica* (*C. longialata*). It is similar to the better known *C. arborescens*, but does not seem to grow quite as high and the foliage has a very distinct light bluish color, like that of *C. orientalis* which, however, is tender here, while *C. cilicica* has proved perfectly hardy at the Arboretum. It is particularly valuable on account of its late flowering time. After *C. arborescens* and other species are out of bloom it is covered with its numerous drooping clusters of light yellow flowers. The species had been introduced into the trade in Europe under the erroneous name of *C. melanocalyx*, but is as yet almost unknown in this country.

Alfred Rehder.

Seasonable Notes on Culture of Florists Stock

ARALIAS

When the seed of *Aralia Sieboldi* arrives, which is about this time, it should be sown as soon as possible, as it loses its vitality in a very short time if allowed to become dry. Sow in a mixture of loam, leaf mold and sand and keep moist and shaded from the sun. When the seedlings are large enough to handle pot into 2 or 2½-inch. Shift when large enough as they soon suffer from being pot-bound. Keep the atmosphere moist, and plenty of water at the roots. If you have any young stock outside house them before danger of frost. The old plants can stay out longer as they will stand considerable frost. Watch out for scale.

COLD STORAGE LILIES FOR CHRISTMAS

By starting cold storage longiflorums from August 15 to 20th you will give them more time for root action. Start in as cool a place as you have. Don't expose them to a very bright sun until the approach of their flowering time. The most advanced of these lilies can be had in bloom for Thanksgiving and from that date on. Have your soil moderately moist and the bulbs will not need any water for weeks. Longiflorums want very little water until they have made good roots, but when they start and have filled their pots with roots they will require an abundance of it. The first consideration is, of course, to secure good bulbs. There are several firms that make a specialty of handling these cold storage lilies and the most reliable will always be found in the advertising columns of HORTICULTURE.

COMPOST FOR WINTER

To prepare a compost for use in the greenhouse during the winter is one of the most important jobs to be seen to at this time. The compost that was got together some time ago should now be turned over and well broken up, so as to be in readiness when wanted. A compost consisting of two-thirds loamy sod to one-third of well decomposed cow manure will answer admirably for the average florist who handles a variety of crops. Now is the time to get sod for next year's bench crops. Some land that has been in pasture for a number of years will make an ideal compost. The more fibrous it is, all the better. It should be stacked in square piles and about six feet high. To every two or three loads of sod, add a load of well-rotted barn-yard manure, cow manure being preferable.

ROMAN HYACINTHS

This class of bulbs are due to arrive this month and can be planted as soon as received. Use boxes of a uniform size, about three inches deep and of dimensions easy to handle. Any ordinary good soil that has been

unsparingly enriched with some very old manure will do. In planting let the top of each bulb be even with the surface and make the soil moderately firm around and beneath the bulbs. Place the flats outdoors giving them a thorough watering. If the weather is dry a watering about once a week will be required to nourish the roots. Place a covering of about four inches of soil over the flats and in December cover with about four-inches of coarse stable manure to keep hard frost out.

STOCKS

Stocks that were sown in June for winter flowering should be in 3-inch pots by this time and fairly well filled with roots. Never allow them to become pot-bound, but shift them on into larger sizes until a 5 or 6-inch pot is reached. When they show their flower spikes you can pick out the double ones by their short, stubby buds, and discard single ones. Keep them outside until October, when they can be transferred to the house and as soon as you have identified the double ones, plant them out on a bench in a cool house. Sow again about the middle of this month for spring bloom.

VIOLETS

Violets, whether in the house or frames, will need faithful attention this month and next. Abundance of water during the hot and dry weather of August is essential. The plants must be kept clean by removing all leaves that show the least signs of spot or decay. Maintain a cool and dry atmosphere by carefully attending to the airing. Conditions for a weak and sickly growth are a moist, hot and stagnant atmosphere which is sure to supply elements favorable to the development of fungous diseases. In all bright weather syringe in the early part of the day so that the ventilation can be relied upon to dry out your house and plants before night. By the end of this month a light mulch of leaf mold and old, dry manure will help them along. All runners should be closely pinched off.

DAISIES

Marguerites that are intended for winter blooming should have their last shift now. A 7 or 8-inch pot makes a very suitable size. These plants are gross feeders, and therefore the fertility of the soil is a very important factor in the production of fine flowering plants. The soil should be well enriched with at least one-third of its bulk of cow manure. Keep pinching so as to keep them bushy and in September transfer to some cool house where there is plenty of ventilation, as this also is a very essential item in their cultivation. Frequent syringing should be practiced daily when the weather permits. Watering should never be neglected. It is a good time now to propagate for next spring's trade. At the approach of cool weather you can combat the green and black aphid, which are at times very troublesome, by frequent light fumigations of tobacco.

NARCISSUS

It is always best to secure the strongest bulbs, remembering that the flowers are formed the previous season in the bulbs, and the best culture will fail to make them produce more. Good culture will tend to make such flowers larger and of better keeping qualities. A very important essential with Paper White narcissi is that they be allowed time for root development before the tops begin to grow. After boxing these bulbs place in a cold frame to root. Water them from time to time in order to keep up the necessary amount of moisture at their roots. If they are planted now they will make sufficient roots in five or six weeks, and if then placed in a light house and kept at from 55 to 60 degrees they will flower in seven or eight weeks.

THE CARE OF CARNATIONS

Now is the time to exercise good judgment in water-

ing and syringing. On all bright days syringe early so that the foliage will be dry before night. Examine the soil in several places on the benches, especially about the sides and ends, for there they always dry out more quickly than the middle of the bench, and be sure to take care of these dry places before watering over the whole beds. The aim of the grower should be to make them harden up their growth a little by giving the plants a constant supply of pure air. Before you put the plant supports in place remove all dead and diseased foliage. Don't wait until your plants are over-run with greenfly before you fumigate or spray. It is easier to keep the pests in check by regular attention.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Cattleyas; Browallias; Cocos; Geranium Cuttings; Myosotis; Housing Tender Plants; Otaheite Oranges; Sweet Peas for Winter; Repairing the Heating Apparatus.

Some Pests and Diseases of Melons Under Glass

Melons under glass are subject to many and varied pests and diseases and in no other instance does the old adage better apply—"Prevention is better than cure;" but, in spite of all, they will find a way in on us.

Green and black fly will often appear when the plants are in their young stage. These are easily eradicated by fumigating. Red spider and thrips will appear if the atmosphere is kept too dry. Continued hard syringings especially under the foliage will soon do away with these.

What is known as "Canker" which really is a fungus growth, found at the base of the stem, is often prevented by keeping the bed dry for two inches around the base of the stem. Care should also be taken when syringing, not to wet the stem for six inches up from the ground after the fruit has set. Varieties having a whorl of leaves at the seed leaf are more subject to canker than others. It is advisable to remove these gradually, using a sharp knife, when the plants are half grown. This admits sun and air to the stem and these are the greatest preventive we have. The first signs of canker are a moistening of the stem just above the soil, which in time goes rotten and the plant collapses. As soon as this appears rub the affected part with freshly slacked lime until it is hard and dry and allow the sun to shine on it all day. Stem rot is similar to look at and appears away up on the stem. This can often be traced to a twist or some other rupture of the cells. Treat as for canker.

Mildew is the result of bad ventilation. Cold draughts should be avoided. Should the disease appear, blow sulphur on the affected parts.

Mealy bug is hard to eradicate after it attains a footing. The best method is to thoroughly clean the house before planting, and also use either cyanide extra strong or burn sulphur to exterminate any germs that may be left.

The natural composition of the soil affects most diseases in the melon and after one season's study these can often be met and beaten off by a watchful eye.

George H. Benson

Profitable Orchids for the Cut Flower Market

WHAT WE HAVE

The Natural Order of Orchideæ contain over 5000 species, not including the vast number of natural and artificially raised hybrids and their variations. But how many out of this grand total do we find grown in any quantity for the cut flower market? One can almost count the genera which are represented in quantity in the flower markets of the larger cities on the fingers of one hand, and these are: first, the Cattleyas, about nine species (six of the large flowered and three of the small flowered, long hulled section); second, Dendrobiums, the two species *D. formosum giganteum* and *D. Phalaenopsis Schroederianum*; third, *Oncidiums*, the two species *O. verucosum* and *O. splendendum*; fourth, *Laelias*, three species, *L. anceps*, *L. autumnalis* and *L. purpurata*; fifth, *Cypripedium*, the one representative, *C. insigne*; sixth, *Vanda*, also with one species, namely, *V. cœrulea*. This gives a total of six genera and 18 species, half of the species being represented by the genus *Cattleya* alone. Of course, there are a good many more which one will find occasionally in the market, but the above list includes about all we are apt to find in quantity at their flowering seasons, and as a rule, there is a ready sale for all good stock coming in.

CATTELYAS

Cattleyas are imported in immense quantities annually, and as some of the varieties can be bought comparatively cheap at wholesale it is hardly any wonder that they should be so well represented. Again they are among the easiest orchids to grow and flower, at least long enough until they have well paid for the investment. Their large, gaudy flowers will appeal to the general public quicker than those of most other orchids.

By growing a good quantity of the following varieties one will have flowers to cut and sell at all seasons of the year: *Cattleya labiata* flowers from September to the end of November, the bulk of them through October, when prices usually take a big drop owing to the immense quantity of this variety grown. After *C. labiata* comes *C. Trianæ*, which is at its best during January and February, although some flowers will appear from late November into the early part of March, the early birds fetching the best prices, as a rule, owing to the scarcity of good flowers between the two crops. *C. Percivalliana* helps to bridge over this lap, but their flowers, although beautiful in color, are small and are therefore not so much in demand. *Cattleya Trianæ* is followed up in quick succession by *C. Schroederæ*, *C. Mossiæ*, *C. Mendelii*, *C. Gaskelliana* and *C. gigas*. The flowering season of the last named can be extended from May until early November by keeping some of the plants dry and cool after they show their flowering-sheaths. I had quite a bunch of *C. gigas*, together with some early *C. Trianæ*, and, of course, *C. labiata*, at the fall exhibition of the N. Y. Hort. Society last November. The bulk of *C. gigas* flower with me during August. *Cattleya Harrisoniæ* comes in very handy in late summer. *C. Skinneri* for Easter and *C. Bowringiana* in the fall. The two last mentioned are not grown to any extent owing to the small size of their flowers, although these are produced in abundance. *C. Dowiana*, *C. speciosissima*, *C. Gaskelliana* and *C. maxima* are four good varieties, too, but plants of the

first two are expensive and they are shy bloomers besides, especially *C. speciosissima*; however, if given plenty of sun and grown in baskets suspended from the roof of a warm house they will flower quite freely, sometimes twice a year, and the plants will grow well for a good many years. Their flowers are hard to beat for size, color, shape and substance.

CULTURE OF CATTELYAS

Newly imported plants of Cattleyas should be potted as soon after arrival as possible, using pots just large enough to accommodate them for two or three seasons. Unless specimens are wanted it will be best to cut the larger pieces up; leaving from three to five bulbs to each piece and when potting put three or four of these pieces into each pot. A 6 or 7-inch pot will be large enough in most instances and smaller pots can be used for smaller plants. Fill the pots with clean crocks up to within about two inches of the rim, then put in one piece after the other, the leading eye facing the center of the pot and even with the surface of the compost when finished, packing the compost—which consists of clean, fresh osmunda fibre chopped up roughly—firmly about the base of each piece until the pot is full up to the rim and a trifle higher in the center. If necessary drive in a stick to tie the bulbs to as it is very important to have the plants stand firm, otherwise the young roots will get broken when syringing the plants, and these will suffer in consequence. Keep the plants well shaded and the atmosphere of the house moist by frequent damping down the walks beneath the benches and between the pots, syringing the plants lightly as you go along. Keep this up until the new roots have taken a good hold of the compost. After that give more air, reduce the shade, giving just enough to prevent the leaves from getting scorched. From now on water the plants at the roots occasionally, increasing the amount as the bulbs reach maturity. When the bulbs have matured reduce the amount of water and during the dull winter months very little will be required, a good watering once a week being sufficient, whereas in their growing season they will require water frequently and they should be syringed every bright day. *Cattleya gigas*, *C. speciosissima* and *C. Harrisoniæ* require more light and less water at the roots at all seasons of the year than most of the other Cattleyas.

A temperature of 60 to 65 deg. at night during winter, with a corresponding rise of from 5 to 10 deg. through the day will suit the three last named; the others will do better if kept some 5 or 8 deg. cooler. Fifty deg. at night in winter will do no harm if the plants are kept dry at the roots. Keep your eyes open for the appearance of the Cattleya fly as soon as new imported plants start to grow. If any of the young growths come to an abrupt point when about an inch long you can make up your mind there are some larvæ of the fly feeding in them. Cut them off promptly and burn them and there will be no trouble from the fly afterwards. New imported plants of Cattleyas have plenty of good eyes to break from again, and these more dormant eyes are not so liable to be infested.

M. J. Pope

A continuation of these valuable orchid notes will appear next week, when Mr. Pope will give practical information on the culture of *Dendrobiums*, *Oncidiums*, *Cypripediums*, *Cœlogynes* and *Calanthes*.

Dipladenia

Among greenhouse twining, flowering plants the genus *Dipladenia* is, in my opinion, superior to all others. The brilliant and delicate tints of their flowers are unrivaled. *D. s. profusa*, for instance, when it opens its flowers, is a delicate pink, and as the flower gets older it deepens until it is a rich carmine and the seedlings of this variety will give a range of color from almost pure white to a much deeper shade than the parent. I have counted as many as thirty-six flowers produced in one season on one spike of the above variety, three and four blossoms being open at a time. At the time of writing, July 18, on a plant trained on a balloon trellis in a twelve-inch pot, I counted about seventy open flowers and it will be better as the season advances a little, as there are more spikes forming and the older ones keep on extending and opening flowers. The flowers of *Dipladenia* are excellent keepers, and for decorative work are very useful, it being possible to make lovely centre pieces with them; also attached to strings of *Asparagus* for draping around a mirror or mantle, they can be made into a beautiful decoration. A drop of water inside the funnel shaped flower will make the bloom last for days.

Dipladenias are easily propagated in a temperature of seventy deg. We find that the prunings which are taken off the old plants previous to starting them into growth in the spring make good cuttings. Take a piece with two leaves attached, with about an inch of stem, and insert in sand in the above temperature and they will root in from three weeks to a month. When well rooted, pot them off in a mixture of equal parts of the fibre of loam, chopped up fern root, sphagnum moss and good sharp sand, adding also plenty of broken charcoal to keep the whole compost sweet. In summer, if desired, they may be planted out doors; in fact, I think they like this treatment, as I have noticed that when potted in September they make a vigorous growth, and flower well during the fall.

Dipladenias will stand a few degrees of frost, but it is better not to give them any. We find that they winter best in a temperature around fifty degrees. Established plants should be potted in the spring, when signs of young growths are noticed, in the above mentioned compost; with about a sixth part of sheep manure and a sprinkling of chicken bone added. A good plan is to take the plant out of the pot, and with the hose wash all the loose dirt from the roots; but if this is done it is desirable after they are potted to put them for a week or two in a temperature around sixty-five degrees. After they are started good plenty of light and air is essential to secure strong growths. In summer they do well in the full sun, but I think slightly better if a very thin shade is over them.

After the first of November *Dipladenias* should be rested, by withholding water, but never dried severely. When dormant the weak growths should be pruned out and if any mealy bug is on them, fumigated with $\frac{1}{2}$ -oz. cyanide of potassium, 1 oz. sulphuric acid, 2 oz. water to the thousand cubic feet. This should be done several times in the course of the winter, taking care that the foliage and plants in the house operated on are as dry as possible. I may here add that these plants, when in vigorous growth, are greatly benefited by frequent applications of manure water, taking care, however, that it is not too strong. Good varieties to grow are *Dipladenia amoena*, *D. boliviensis* (a bush form), *D.*

Brearleyana, *D. insignis*, *D. nobilis*, *D. splendens*; *profusa* and *Williamsii*, two varieties of *splendens*.

George F. Stewart

West Medford, Mass.

British Horticulture

MERITORIOUS NEW ROSES

As anticipated in a previous note, the annual show of the National Rose Society was in every way a success. The trade growers made an excellent display in various sections. The nurserymen's championship was secured by Alex. Dickson & Sons of Newtonards, Ireland. This year a tent was specially devoted to this section. S. McGredy and Sons, Portadown, Ireland, had three new varieties which received awards. These were Edward Mawley, a H. T., of a maroon crimson tint, somewhat resembling Horace Vernet; Mrs. Joseph H. Welch, rose, shading to silvery pink, and Evelyn Dauntsey, rose pink. B. R. Cant & Co., of Colchester, exhibited St. Helena, a H. T., with a centre of apricot pink, the petals being pale buff, and Colcestria, a H. T. of blush pink. Mrs. Gordon Sloane, a blush-pink H. T., and Mrs. Foley Hobbs, a creamy-white hybrid, were included amongst the exhibits of Messrs. Dickson. Rayon d'Or, raised by Pernet-Ducher, of Lyons, is a rich yellow H. T. It is stated to be a cross between an unnamed seedling of the *Perenettiana* section and M^{me}. Melaine Soupert. The other novelties were Mrs. G. Shawyer, a H. T. of old rose and bright pink and Lady Hillingdon, a new popular yellow Tea, shown by Messrs. Lowe & Shawyer, Uxbridge.

SUMMER NOVELTIES

At the summer show of the Royal Horticultural Society, at Holland House, Kensington, the new roses included Juliet, golden yellow and bright cerise, shown by Messrs. W. Paul & Son, Waltham Cross; Mary, Countess of Ilchester, crimson-carmine, H. T. and Mrs. Foley Hobbs, the two last named coming from A. Dickson & Sons. A new begonia which attracted considerable notice was Mrs. W. L. Ainslie, a shapely bloom, of charming yellow, exhibited by T. S. Ware, of Feltham, and Blackmore & Langdon, of Twerton Hill, Bath. Amos Perry, of Enfield, had two fine new delphiniums—*Belladonna semi-plena* and *Lamartini*. *Gladiolus King Edward VII*, sent by Mr. F. Lilley, a Guernsey nurseryman, is a bold double-flowered variety of the *Colvillei* section; the vivid scarlet blooms have a narrow creamy white stripe down the centre of each segment.

THE CULT OF THE SWEET PEA

The annual show of the National Sweet Pea Society, held on July 12 and 13, was an eloquent proof of the firm hold which this popular flower has taken amongst garden lovers. For the challenge cup given by W. Atlee Burpee, of Philadelphia, for a display of sweet peas arranged on a space 4 ft. by 3 ft., there was an interesting contest. Robert Bolton, of Warton, Cornforth, won the cup for the third time, and it now becomes his property. His excellent display included two novelties—Charles Foster, opal blue with rosy edges, and R. F. Felton, a new lavender. There were some artistic table displays. The following varieties on trial at Guildford last year were awarded certificates: Cherry Ripe (Gilbert & Son, Dyke, Bourne); Masterpiece (Dobbie & Co., Rothesay); Stirling Stent (J. Agate, Havant, Hants);

Mrs. Hugh Dickson (Dobbie & Co.); Arthur Green (Dobbie & Co.)

BRIEF JOTTINGS

Garden superintendents are evidently plentiful on this side; for a vacant post of this class over 200 applicants were received by the London County Council. —Sir Trevor Lawrence, President of the Royal Horticultural Society, and members of the Council, recently visited the Japan-British exhibition at Shepherds Bush, London, for the purpose of making awards to the Japanese gardens, dwarf trees, and other decorations, which are a special feature of this year's display at the "White City." —The Council of the Royal Horticultural Society has accepted for award the offer of prizes for the General Dutch Bulb Growers' Society at Haarlem. —The Vacant Land Cultivation Society continues to make good progress. A satisfactory report was presented at the annual meeting by Mr. Joseph Fels, an American enthusiast, who has done good service for the movement since its inception. There is room for growth, for Mr. Fels stated that there are 10,000 acres of unused land in the Metropolis.

W. H. Gelssett,

Foreign Notes

INTERNATIONAL HORTICULTURAL SHOW, LONDON, 1912

It has now been decided by the special committee appointed to organize the great International Horticultural Show in London in 1912 that it shall be opened on the 22nd of May and last for eight days. His Majesty the King has kindly consented to act as patron and a large number of influential persons connected with horticulture at home and abroad will comprise the committee of patronage. The site chosen will occupy about twenty acres advantageously situated in the west of London. Provincial sub-committees will be appointed in various parts of the United Kingdom to co-operate with the Central Committee in the metropolis.

The Royal Horticultural Society will make a grant of a large sum of money towards the expenses, which will be met by guarantee and voluntary subscriptions. The schedule of prizes is in course of preparation by a sub-committee appointed for the purpose. It is confidently expected that this exhibition will be the finest of its kind ever held. Further particulars will be given as the preparations proceed. The secretary is Mr. Ed. White, 7 Victoria street, London, S. W.

MONUMENT TO ERNEST CALVAT

In recognition of the services rendered to horticulture by the great French Chrysanthemum raiser, M. Ernest Calvat, it has been decided by the French National Chrysanthemum Society to start a subscription list to raise the necessary funds for the erection of a monument to his memory. Those of our readers who desire to contribute are requested to send their subscriptions to Mr. Harman Payne, 141 Wellmeadow Road, Catford, S. E., London, Eng.

HONOR FOR AN AMERICAN HORTICULTURIST

We read in the current number of our contemporary, "Le Jardin" of Paris, that on the occasion of the International Rose Growers' gathering at Bagatelle, near Paris, E. G. Hill of Richmond, Ind., was nominated by the French Government a chevalier of the order of the Merite Agricole. This decoration seldom falls to the lot of English or American horticulturists. Of the latter we only know of Col. Gustavus B. Brackett, pomologist of the U. S. Department of Agriculture,

Mr. J. M. Francis of Newcastle, California, and Prof. L. R. Taft of Mich. Agricultural College, Mich., that possess it. There are probably not more than the same number of Englishmen who have had it conferred upon them. The order consists of three ranks, knight, officer and commander. It was founded in 1883 for recompensing distinguished service in anything concerning agricultural or horticultural work.

MONS. LOUIS GENTIL

This distinguished Belgian horticulturist, who is curator of the Brussels Botanic Garden and the able editor of our bright little Belgian contemporary, "La Tribune Horticole," has recently been appointed a corresponding member of the National Horticultural Society of France. Monsieur Gentil has had a varied experience for he lived some time in England and subsequently had charge of a garden in the Congo. He is also a corresponding member of the Royal Horticultural Society of England, thus enjoying a double honorary distinction that few European horticulturists can claim.

BRUSSELS EXHIBITION

American visitors to Europe who are interested in horticulture should bear in mind that the second temporary show in connection with this International Exhibition will be held on September 24 to 27 next. There are 119 classes in the schedule, chiefly for fruit and market garden produce.

LIBRARY CATALOGUE

After an interval of five years the National Horticultural Society of France has issued a second supplement to its Library Catalogue. This Library is probably the finest horticultural collection of books on this side of the Atlantic and the new supplement will be welcomed by all interested in old garden literature. It contains over 50 pages of printed matter and the excellent classification of the books renders research a most easy task.

BRITISH FLORAL DECORATION

The above is the title of a new book on a most interesting subject. The author is R. Forester Felton, florist to his late majesty King Edward VII. Sir Albert Rollis writes a preparatory note and in addition there are twenty chapters dealing with floral decoration in the most exhaustive manner. There are numerous illustrations many of them in colors. Floral decoration is now an art much studied in England and Mr. Felton's book will be a guide to many who take an interest in the subject. In design, typography and general get-up this book is the best thing of the kind we have had.

MR. T. W. POCKETT

This eminent Australian chrysanthemum raiser has by the death of his great French rival, M. Ernest Calvat, got an exceptional chance of pushing his novelties forward for there is now no French grower who can seriously hope to compete with him in the big bloom style of culture. At the last Chrysanthemum Show at Malvern, Australia, we read in "The Leader" that most of the principal awards were won by Mr. Pockett's son Mr. W. T. Pockett. By a curious irony of fate this grower obtained the first prize for the best bloom in the Show with Mme. Carnot, the famous white Japanese raised by Calvat in the early days of his chrysanthemum raising. We should not be surprised if Pockett now does as Calvat did 16 or 17 years ago, simply sweep the show-boards of everything except his own varieties. *Sic transit gloria mundi.*

Harman Payne

HORTICULTURE

VOL. XII

AUGUST 13, 1910

NO. 7

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION—The Rochester Aster.	
NOTES FROM ARNOLD ARBORETUM—Alfred Rehder.	190
SEASONABLE NOTES ON THE CULTURE OF FLORISTS' STOCK—J. J. M. Farrell.	199
PESTS AND DISEASES OF MELONS—G. H. Penson.	200
PROFITABLE ORCHIDS FOR THE CUT FLOWER MARKET—M. J. Pope.	201
DIPLADENIAS—George F. Stewart.	202
BRITISH HORTICULTURE—W. H. Adsett.	202
FOREIGN NOTES—C. Harman Payne.	203
ROCHESTER AND THE BRANCHING ASTER—George Arnold.	205
SOCIETY OF AMERICAN FLORISTS:	
Officers and Program—Portraits of Officers.	206-207
Glimpses of Rochester—Illustrations.	209-211
Baltimore to the Front.	210
Rochester Florists' Asso.—Nat. Sweet Pea Soc.—Amer. Carnation Soc.—Am. Gladiolus Soc., portrait L. Merton Gage—Ladies' S. A. F.	212
PAST, PRESENT AND PROSPECTIVE OF THE SEED BUSINESS—Francis Brill.	213
VIEWS IN JAPAN LILY GROWING DISTRICTS.	213
OF INTEREST TO RETAIL FLORISTS—Steamer Departures—Flowers by Telegraph—International Flower Delivery.	220-221
FLOWER MARKET REPORTS—Boston, Buffalo, Chicago, Philadelphia, St. Louis, Detroit.	223-225
PHILADELPHIA—Men and Firms that Have Attained Distinction—Burpee's California Seed Farm, Illustrated—Some of the Newer Cannas—Some New Things in Floral Requisites.	229-242
CLUBS AND SOCIETIES:	
American Association of R. R. Gardeners—Yonkers Horticultural Society—Chicago Florists' Club.	243
American Association of Park Superintendents.	244
Lenox Horticultural Society—Hort. Soc. of Chicago.	246
Canadian Horticultural Association.	252
Apple Growers' Congress.	253
Vegetable Growers' Convention—Royal Hort. Society.	255
DUKE'S PARK GREENHOUSES—Illustrated.	254
DURING RECESS—Nassau County Horticultural Society—Long Island Florist Club.	256
MISCELLANEOUS — Seed Trade Notes — News Notes.	218-220-221-224
St. Louis Notes—Personal—Incorporated.	221
Three Representative Chicago Houses.	225
Prof. B. S. Mackintosh Goes to Penna. State Coll.	238
Philadelphia Notes.	238
Fall Spraying.	255
Greenhouses Building—Patents Granted.	256

"Do it for Rochester"

Loyalty to hearth-stone, hospitality to the stranger and enthusiasm in every movement for the renown of the former and the entertainment of the latter is nowhere developed to a higher degree than in the fair city which is about to extend the hand of welcome to the floral and horticultural fraternity of America. "Do it for Rochester" is the inspiring slogan under the stimulus of which the people of the "Flower City" have attained a pre-eminence and efficiency as hosts which no other

community can surpass. Foremost in everything that will bring lustre to their city are the great nursery, floral and flower seed interests of Rochester and the popular recognition of this fact is emphatically manifested in the adoption of a florists' flower,—the China aster—as the civic emblem. We could think of no more appropriate subject for our title page on this occasion than this flower which in recent years has attained such a splendid development through the genius and skill of our Rochester brethren. We are pleased to have the privilege to thus "Do it for Rochester." "Long life to her."

A request and a reason

How time does fly now-a-days! Here we are again on the threshold of another S. A. F. Convention and here, too, is the sixth Annual Convention Number of HORTICULTURE. We hope everyone who receives a copy will peruse it with pleasure and profit. Its reading columns reflect the views of many wise men on many momentous subjects; its news notes cover a wide territory; its advertisements are the infallible guide-book to all that is promising, worthy and essential in the stock of the most reliable producers and merchants in every department of horticulture. The names of the majority of advertisers represented herein are those of firms of world-wide repute; amongst them will be found the leading exponents of the wide-awake commercial horticulture of our day. We are proud of the standing they thus accord to HORTICULTURE in making it a medium of trade communication with the fraternity and we can ask no greater favor for ourselves—and one which we know will be equally to the advantage of both buyer and seller—than that the thousands who read these lines shall, as far as possible, bestow their patronage on these worthy houses.

The Convention at Rochester will have "Show Me" a considerable amount of serious business to attend to and if it goes about it with the deliberation and far-sighted discernment which its importance demands the members will have well earned the day of relaxation and frolic which the Rochester brethren have planned for them on Friday. Among other propositions of a more or less radical character they will be asked to give their approval of the proposed changes in the Constitution and By-Laws, whereby the time-honored privilege of selecting two members of the board of directors will be taken away from the president and vested in the Convention, and the selection of a Secretary and Treasurer will be taken from the Convention and vested in the board of directors. We fully coincide with the views of our New York contemporary as set forth in an editorial on this question last week. Nothing that has been advanced thus far by the coterie of clever gentlemen who have framed up this program strikes us as sufficient justification for the innovation proposed. We do not wish to be understood as opposing any and all departures from old methods, but a change so sweeping as the one in question—when the old system has worked so well—should not be adopted on the mere assertion of its sponsors that it is a "modern improvement." The members of the Society have the right and should exercise it, to "hail from Missouri" for the time being and insist on being shown what advantage will accrue to them and to the industries which they represent, by devoting their valuable convention hours to tinkering their constitution when so many matters more directly appertaining to the welfare of the profession await consideration.

Rochester and the Branching Aster

The "Lake Ridge" region in which Rochester is located, parallel with the south shore of Lake Ontario, seems well suited to the growth of late Asters. There is a profusion of native species, and the cultivated kinds are successfully grown, both for cut flowers and for seed, on all sorts of soil, from light sand to heavy clay loam.

The real beginning of Aster growing for seed and cut flowers in Western New York was the introduction of the Branching Aster in 1893. Previous to that time comparatively small quantities of what are now generally classed as European varieties of Asters were grown for seed by the late James Vick, on his seed farm near Rochester, along with *Portulacca*, *Phlox Drummondii*, *Petunia* and other annuals now grown in Europe or California. Then, as now, the Aster was a favorite with this house, but at that time it did not over-shadow the other annuals as at present. In cut flowers Queen of the Market and Comet varieties were prominent and were grown in quantities to supply local demands.

In 1891 a southern correspondent of James Vick's Sons asked for some Aster seed from Vick's Catalogue list, offering seed of a new Aster, of his own, in exchange. The letter appeared to come from a small florist's establishment. Nothing was expected of the alleged new Aster, but as a business courtesy Mr. Charles H. Vick directed that the order be filled. Mr. Herbert Greensmith, now of the Cincinnati Park Department, was at that time in charge of the trial grounds. When it finally came into bloom Mr. Vick was impressed with its possibilities as a cut flower. Salter Bros., retail florists, endorsed it enthusiastically, and the house prepared to launch a valuable novelty. It is doubtful if we shall ever know the exact origin of this decided break in Asters. No reply was received to Mr. Vick's inquiries in after years and in time the address of the sender was lost.

At first Vick's Branching Aster came only in white. The plants were strong and the main braches were thickly set with laterals. Though not up to the present standard, the flowers were fairly double, nearly all making salable blooms if cut in season. Such plants are heavy seeders, and in 1892 James Vick's Sons were able to grow a large block of the new Aster. When the first frost came, with the Branching Asters still in full bloom, there was great anxiety. Their hardiness was not known and Mr. Vick had the whole planting protected with tents. This crop was offered in 1893 and attracted much attention. In 1894 the Seedmen's National Convention was held in Rochester. James Vick's Sons gave the members a banquet at which the new aster was lavishly displayed, and its general introduction was assured. About this time other colors began to appear, practically one a year, until the more important shades in the older sorts of Asters had been duplicated in the Branching.

In 1894 seed of the Mary J. Semple, now known as the Semple Pink, or Shell Pink, was offered by Henry A. Dreer. This fine pink Aster originated with Mr. James Semple, of Bellevue, Pa. It was not quite as double as Vick's white, and was thoroughly fixed in character from the first. The long petals are a little folded lengthwise. Mr. Semple also put out a white and a lavender in the same type. Owing to the shape of the petals the white had a somewhat gray effect. The lavender was smaller and extremely pale. The writer soon dropped them for Vick's strain of the same colors,

the seed going out to the trade he was at that time supplying as "Vick's" or "Semple's," as called for. In testing the new Branching Asters offered during the past 15 years the writer has not found anything of importance except the Semple Pink that was not already growing in the fields about Rochester, N. Y.

With the introduction of the Branching Asters about Rochester, the business of growing the flowers for shipping began to develop. At first it was in the hands of florists; later, many market gardeners and truck farmers took it up as a side line. At the present time only a small part of the Asters used as cut flowers from Western New York are grown by professional florists. George B. Hart, the wholesale florist of Rochester, estimates his consignments for 1910 at one million blooms, handling 200,000 in a single week during the busy season. From the district surrounding Rochester about an equal amount is probably sold or shipped directly by the growers. About 2,000 pounds of Aster seed is grown yearly in this district, nearly one hundred acres of land being used in its production. The growing of the seed is in the hands of a few experts, seedsmen not caring to risk going outside regular channels for supplies. The best seed is grown on soil of only moderate fertility. The fields are planted by machinery, but the plants require more careful handling than vegetable plants and expert knowledge is required in roguing, and in the selection of stock seed for growing succeeding crops. A twenty-acre field in full bloom, with its alternating ribbons of different colors, is a sight not soon forgotten.

More than one-half of the acreage, and much more than one-half of the total yield of seed, is of Branching varieties, and the same is true of the cut flower trade. This is due in part to the fact that they stand handling better than some other types of flowers. The writer saw the returns of one grower of late Asters who made a nice profit on Late White Hohenzollern last year. This is a large, feathery, Comet variety of the season of the late Branching. Bunches of six, in tissue paper, were carefully packed in small cases. Such varieties are evidently unsuited to the rough treatment that much of the stock gets at the hands of careless growers and in transit. Another Aster of this type, but earlier in season, found much favor locally last year. It was developed within the city limits of Rochester, bears the city's name, and has practically been adopted as the official flower of Rochester. The "Rochester" is a large, feathery flower, of a pretty lavender-pink color. The plant is of the Branching type.

Two changes in the general type of Branching Asters have been undertaken by James Vick's Sons, and careful selection on their farm through a series of years has produced a marked effect. Some years ago Mr. Fred S. Fisher, then farm superintendent, began the selection of White Branching to develop a whorled center in the flowers. The twisting of the petals about the center of the opening flower gives a more graceful effect and a fuller center. This work has gone on until a large percentage of opening flowers in various colors show the whorled centers in a marked degree. Later, in selecting White Branching for earliness, Mr. Fisher found some individual plants that made a few semi-upright main stems, with few or no lateral branches.

Geo. Arnold

Rochester, N. Y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

All Ready for the Convention of 1910

List of Officers and General Program

OFFICERS OF THE SOCIETY.

PRESIDENT—F. R. Pierson, Tarrytown, N. Y.

VICE-PRESIDENT—F. W. Vick, Rochester, N. Y.

SECRETARY—H. B. Dorner, Urbana, Ill.

TREASURER—Wm. F. Kasting, Buffalo, N. Y.

Executive Board.

For One Year: George Asmus, Chicago; John Young, New York.

For Two Years: W. J. Vesey, Fort Wayne, Ind.; Eugene Dailedouze, Brooklyn, N. Y.

For Three Years: W. N. Rudd, Chicago; Robert Craig, Philadelphia.

Ex-Officio: J. A. Valentine, Denver, Colo.

Botanist: Prof. John F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist: Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist: Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society: William F. Gude, 1214 F Street, Washington, D. C.

Superintendent of Exhibition: C. H. Vick, Rochester, N. Y.

State Vice-Presidents.

Alabama—Geo. E. Luffman, Birmingham.

California (North)—Hans Plath, San Francisco.

California (South)—Morris Golden-son, Los Angeles.

Colorado—R. John Berry, Colorado Springs.

Connecticut—Wallace R. Pierson, Cromwell.

District of Columbia—Z. D. Black-istone, Washington.

Florida—E. N. Reasoner, Oneco.

Georgia—Daniel C. Horgan, Macon.

Illinois (North)—August Poehl-mann, Morton Grove.

Illinois (South)—J. F. Ammann, Edwardsville.

Indiana—W. W. Coles, Kokomo.

Iowa—James S. Wilson, Des Moines.

Kansas—A. H. Whitcomb, Lawrence.

Kentucky—O. S. Honaker, Lexington.

Louisiana—Harry Papworth, New Orleans.

Maine—William Miller, Bar Harbor.

Maryland—R. A. Vincent, White Marsh.

Massachusetts (East)—E. Allan Peirce, Waltham.

Massachusetts (West)—A. J. Loveless, Lenox.

Michigan (East)—Michael Bloy, Detroit.

North Carolina—J. L. O'Quinn, Raleigh.

Oklahoma—George Stiles, Oklahoma City.

Ohio (North)—C. J. Graham, Cleveland.

Ohio (South)—E. G. Gillett, Cincinnati.

Oregon—James Forbes, Portland.

Pennsylvania (East)—W. P. Craig, Philadelphia.

Pennsylvania (West)—Fred Burki, Gibsonia.

Rhode Island—L. J. Reuter, Westerly.

South Carolina—C. A. Moss, Spartanburg.

South Dakota—E. C. Newbury, Mitchell.

Tennessee—C. L. Baum, Knoxville.

Texas—Alexander Millar, Dallas.

Virginia—W. A. Hammond, Richmond.

West Virginia—A. Langhans, Wheeling.

Washington—Amy K. Lambly, Spokane.

Wisconsin (East)—Fred Holton, Milwaukee.

Wisconsin (West)—C. E. Schaefer, La Crosse.

Canada: Ontario—W. W. Gammage,



CONVENTION HALL, ROCHESTER.

Michigan (West)—Henry Smith, Grand Rapids.

Minnesota—Theo. Wirth, Minneapolis.

Missouri (East)—Otto G. Koenig, St. Louis.

Missouri (West)—W. L. Rock, Kansas City.

Mississippi—S. W. Crowell, Rich.

Nebraska—John J. Hess, Omaha.

New Hampshire—R. E. Hannaford, Portsmouth.

New Jersey—Joseph A. Manda, West Orange.

New York (East)—A. L. Miller, Brooklyn.

New York (West)—George B. Hart, Rochester.

London.

Manitoba—H. E. Philpott, Winnipeg.

Quebec—Geo. A. Robinson, W. Montreal.

Alberta—A. M. Terrill, Calgary.

Tariff and Legislative Committee.

Patrick O'Mara, Jersey City, N. J., Chairman; J. A. Valentine, Denver, Colo.; J. C. Vaughan, Chicago, Ill.; Patrick Welch, Boston, Mass.; John G. Esler, Saddle River, N. J.; J. O. Thilow, Philadelphia, Pa.; W. J. Vesey, Fort Wayne, Ind.

Committee on Convention Sports.

John Westcott, Philadelphia, Pa., Chairman; A. F. Vick, R. G. Salter, J. M. Keller.

Advisory Committee for Trade Ex- hibition.

F. W. Vick, Rochester, N. Y., Chairman;
E. P. Wilson, W. C. Barry.

Committee on School Gardens.

Benjamin Hammond, Fishkill-on-Hudson, N. Y., Chairman; A. T. De La Mare, New York, N. Y.; Prof. John F. Cowell, Buffalo, N. Y.; Wm. B. DuRie, Rahway, N. J.; H. B. Howard, Chicago, Ill.; Joseph Heacock, Wyncote, Pa.

Committee on National Flower Show.

F. R. Pierson, Tarrytown, N. Y., Chairman; F. H. Traendly, New York, N. Y.; W. J. Stewart, Boston, Mass.; Robert Craig, Philadelphia, Pa.; J. K. M. Farquhar, Boston, Mass.; E. A. Stroud, Overbrook, Pa.

A LAST WORD ABOUT TRANSPORTATION.

Those who have procrastinated until the last moment before deciding on whether to go to Rochester or not will find useful information in the following schedule of special parties. It should be understood that the special R. R. rate on "certificate plan" is available to all who wish to avail themselves of the privilege, on any train going to Rochester without reference to special parties traveling together, up to and including Wednesday,

Aug. 17, only be sure to ask for a **certificate** at the time of buying your ticket.

society will be held at the Seneca Hotel. It will also be headquarters for the ladies. Other hotels are:

Special Parties.

From New York—Lehigh Valley R. R. 9.30 A. M., Monday, Aug. 15. Apply to F. H. Traendly, New York City.

From Boston—Boston & Albany R. R. 10 A. M., Monday, Aug. 15. Apply to E. Allan Peirce, Waltham.

From Philadelphia—Lehigh Valley R. R., 10 A. M., Aug. 15. Apply to John Westcott, Philadelphia.

From Detroit—Lake Boat, 5 P. M., Monday, Aug. 15. Apply to M. Bloy, Detroit.

From Chicago—Lake Shore & Mich. Southern R. R., 5.30 P. M., August 15.

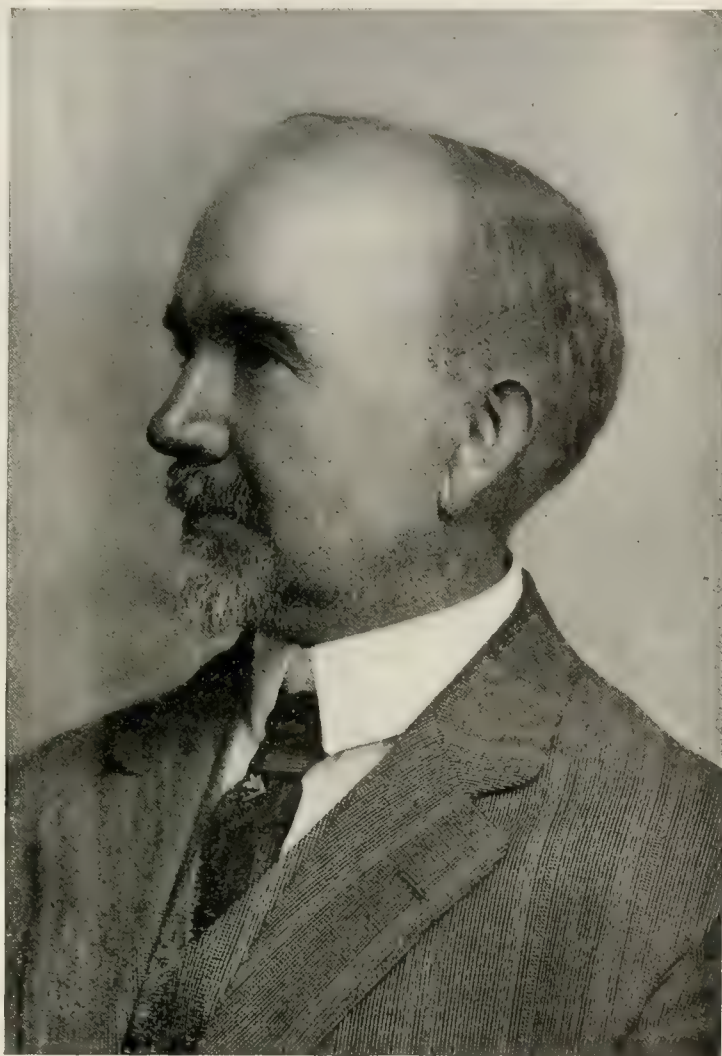
From St. Louis—Big Four R. R., 1 P. M., Aug. 15. Apply to Otto G. Koenig, St. Louis.

From Baltimore and Washington—B. & O. and Lehigh Valley R. R., — A. M., Aug. 15. Apply to R. A. Vincent, Whittemarch, Md., or W. F. Gude, Washington.

HOTELS.

Rochester has a number of fine hotels and all Convention visitors will be well taken care of. The rates at these hotels are \$1.50 and up.

The Seneca Hotel has been selected as headquarters. Both the President's reception and the reception given by the Ladies' society will be held at the Seneca Hotel. It will also be headquarters for the ladies. Other hotels are:



F. R. PIERSON
President.



W. F. KASTING
Treasurer



H. B. DORNER
Secretary.



F. W. VICK
Vice President.



GEORGE ASMUS
Director.



ROBERT CRAIG
Director.



EUGENE DAILLEDOUZE
Director.

Powers Hotel, Hotel Rochester, Whitcomb House, Osburn House, and Hotel Eggleston. The Hotel Eggleston is for men only. All are on the European plan with the exception of the Osburn House, which is on the American plan.

PROGRAM OF MEETINGS AND ENTERTAINMENTS.

Tuesday, August 16, 1910.

2 P. M. "Address of Welcome," His Honor, H. H. Edgerton, Mayor of Rochester; "Address of Welcome," Geo. Deitrich, President of Chamber of Commerce; "Response," Robert Craig; President Pierson's Address; Reports of Officers, Committees, etc.; Report of Committee on President's Address; Discussion; Miscellaneous Business; Judging of Trade Exhibits.

7.30 P. M. President's Reception, Seneca Hotel.

8.00 P. M. Band Concert, 54th Reg't Band in Convention Hall.

Wednesday, August 17, 1910.

9.30 A. M. "Use of Cement with Special Reference to Greenhouse Con-



J. A. VALENTINE
Director Exofficio.

struction," Edward D. Boyer, Cement Expert, Atlas Portland Cement Co.; Discussion; "Value of Experiment Stations to Ornamental Horticulture," W. N. Rudd; Discussion.

11 A. M. Selection of Next Meeting Place; Nomination of Officers for 1911; Report of Judges of Trade Exhibit; Annual Meeting Ladies' Society of American Florists at Seneca Hotel.

2 P. M. Ladies' Auto Ride through the parks and principal residential streets of Rochester; starting from Seneca Hotel. Refreshments in Genesee Valley Park Refectory.

2.30 P. M. "Retail Florists' Association," J. A. Valentine; Discussion; "The National Flower Show"; Discussion.

8 P. M. Illustrated Lecture, John Dunbar, Assistant Supt. of Parks, Rochester, N. Y.; Ladies Reception, Seneca Hotel; Band Concert, 54th Reg't Band, Convention Hall.

Thursday, August 18, 1910.

9 A. M. Sectional Meetings. Retailer's Section; American Carnation Society; American Rose Society;



JOHN YOUNG
Director.



W. N. RUDD
Director.



W. J. VESEY
Director.

GLIMPSES OF ROCHESTER



Lombardy Poplars and Norway Spruce, Bishops' Walk, Holy Sepulchre Cemetery



Elms, Rochester University



Ellwanger & Barry Office



Rhododendrons—Highland Park

National Sweet Pea Society; Florists' Hail Association; American Gladiolus Society.

10 A. M. Ladies' Bowling, Elm Alleys.

11.30 A. M. Election of Officers. Polls will remain open two hours. Voting on proposed amendments to the Constitution.

1 P. M. Men's Bowling, Grand Central Alleys.

3 P. M. Men's Shooting, Riverside Gun Club, Genesee Valley Park; Band Concert, Highland Park, by the Park Band, offered through the kindness and courtesy of Wm. C. Barry, Vice-President of the Park Board and Chairman of the Highland Park Committee.

8 P. M. "Symposium on Greenhouse Heating;" Discussion; Band Concert, 54th Reg't Band, Convention Hall.

Friday, August 19, 1910.

11 A. M. The members of the S. A. F. will be the guests of the Rochester Florists' Association. Outing to Man-



BENJ. HAMMOND
Chairman Committee on School Gardens.

tiring energy in making this feature a success.

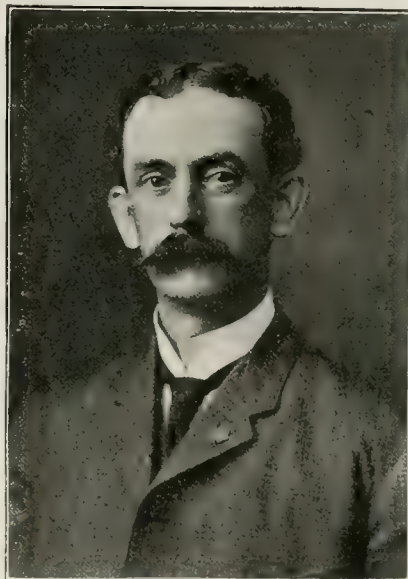
Silver cup—Grand Central Alleys; Silver cup—J. C. Vaughan; Silver cup—Henry A. Dreer; Gem Junior safety razor—Weaver Hardware Co.; Art pottery vase—H. B. Graves; Gent's silk umbrella—Sibley, Lindsay & Carr; Ladies' gold pin—S. D. Burritt; Picture—Scranton, Wetmore & Co.; Kodak, Brownie No. 3—George Eastman; Scarf pin and cuff button set—J. R. White & Co.; Stick pin and cuff buttons—Wm. Kennedy; Case O. F. C.—New York & Kentucky Co.; Case Sherwood—Fee Bros.; Silver water pitcher—Harry Balsley; Gillette safety razor—Weaver, Palmer & Richmond.

BALTIMORE TO THE FRONT.

At the regular meeting of the Gardeners' and Florists' Club of Baltimore, held Aug. 8, it was decided to invite the S. A. F. and O. H. to hold their 1911 convention in Baltimore. Although there was not the regular



PATRICK O'MARA
Chairman Tariff and Legislative Committee.



E. AILAN PEIRCE
State Vice-President for Massachusetts.



H. B. STRINGER
Secretary Rochester Florists' Association.

itou Beach. Cars will leave Convention Hall at 11 A. M. Returning, leave Manitou 7 P. M. to Ontario Beach Park.

1.30 P. M. Baseball Game, S. A. F. & O. H. vs. Rochester Florists' Association.

List of Sports: Snail Race; Backward Running Race; Pipe Race; Elephant Race; Twirl Race; Blind-man's Race; Three-Legged Race; Fat Man's Race, 200 lbs. and over; Ladies' 50 yard dash; Girls' 50 yard dash; Boys' 50 yard dash; Shoe Race, open.

Suitable prizes will be offered and Secretary Stringer writes: "We want as many as possible to be with us as we desire this one day to be one continuous round of pleasure."

The list of prizes for the Bowling Tournament and the donors, to date, are as follows, and in giving out this list, special mention is made that practically all were solicited personally by A. F. Vick, chairman of the local Bowling and Sports Committee, and great credit is due him for his un-



W. C. BARRY
A Representative Rochester Merchant.

attendance at the meeting, yet a very substantial guarantee fund was subscribed for entertaining the S. A. F. etc., and a committee appointed to make arrangement in case the invitations should be accepted. This committee consists of President Geo. Morrison, Richard Vincent, Jr., Geo. O. Brown, Ex-President J. J. Perry, J. L. Towner, P. B. Welsh and J. W. Boone. Editorials from HORTICULTURE and another paper were read by the secretary. The club signified its desire to vote for Richard Vincent, Jr., as the next president of the S. A. F. Club members will go in a special car over the B. & O. and Lehigh Valley to Rochester, and the Washington florists are expected to go from Baltimore with them. The following communication was read and approved:

Baltimore, Md., will ask that the 1911 Convention of the S. A. F. & O. H. be held there. Baltimore is an ideal city and possesses many attractions and advantages as a convention city, among which may be mentioned unsurpassed hotel accommodation;

GLIMPSES OF ROCHESTER



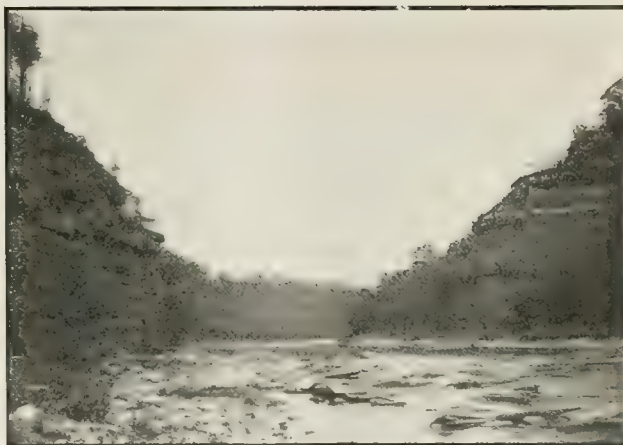
Third or Lower Falls, Genesee River.



Children's Play Grounds, South Park.



East Main St., from Four Corners



River Gorge below Lower Falls, Maplewood Park.



Willow Pond.



Lakes in Highland Park.

none finer can be found, and the menu cannot be equalled anywhere.

It can furnish one of the most convenient meeting and exhibition halls that the society has ever met in. Within the past few years it has become the metropolis of the South in more ways than one and especially as a horticultural centre.

It will meet the society with the wide-open arms of Southern hospitality and every one may feel assured of a healthy and sincere welcome within its gates.

ROCHESTER FLORISTS' ASSOCIATION.

Sixty-five members were in attendance at the regular monthly meeting and all showed keen interest in the preparations being made for the 26th Annual Convention of the S. A. F. & O. H. Members of the local club will be given each two buttons and will be entitled to two tickets for the outing. Those wishing extra tickets can purchase them for one dollar.

Application for tickets and badges of the R. F. A. must be made to H. B. Stringer, secretary, at the office in Convention Hall. The rules of the national society governing the giving out of tickets will be strictly adhered to. A reception committee was appointed and parties will be stationed at all depots to welcome our guests and to assist them in every way possible.

H. B. STRINGER, Secy.

OFFICERS OF ROCHESTER FLORISTS' ASSOCIATION.

President, F. W. Vick; vice-president, E. P. Wilson; secretary, H. B. Stringer; treasurer, W. L. Keller.

Standing Committees for 1910.

Entertainment and Essays—H. B. Stringer, chairman; John Dunbar, C. H. Vick, R. G. Salter.

Exhibition—C. H. Vick, chairman; George B. Hart, F. J. Keller, A. H. Salter, J. M. Keller, E. P. Wilson.

Membership—C. H. Ogsten, chairman; F. R. Schlegel, W. L. Keller, Charles Puhr.

Auditing—E. S. Osborne, chairman; W. H. Dildine, Geo. T. Boucher.

Bowling and Sports—A. F. Vick, chairman; H. B. Weller, George J. Keller, Walter Salmon.

Special Committee in charge of all the arrangements for the Convention—F. W. Vick, chairman, and H. B. Stringer, secretary.

Chairmen of the various sub-committees of the Executive Committee are the following: Entertainment, F. W. Vick; Ladies, C. H. Ogsten; Finance, W. T. Fonda; Souvenir Album, C. H. Vick; President's Reception, George B. Hart; Bowling, A. F. Vick; Decorations, F. J. Keller; Music, E. P. Wilson; Shooting, R. G. Salter; Ball Game, J. M. Keller; Transportation, E. S. Osborne; Printing Programmes and Press, E. F. Rowe.

NATIONAL FLOWER SHOW.

The National Flower Show Committee will maintain an office at the exhibition hall during the time of the convention. The office will be in charge of Mr. Chester I. Campbell, who has been appointed manager of the coming show.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

There will be a meeting of the National Sweet Pea Society of America at Rochester, at 9 a. m. (place announced later) on August 18th.

This is in response to a request from the secretary of the S. A. F. to such societies who wish to hold a meeting at the annual convention in Rochester and is in accordance with the resolutions passed by the executive committee of the S. A. F. at their spring meeting.

HARRY A. BUNYARD, Sec.

AMERICAN CARNATION SOCIETY.

There will be a meeting of the board of directors held at Rochester, N. Y., on August 19 at 9.30 A. M. Much important business is to come before this meeting, and it is hoped there will be a good attendance.

AMERICAN GLADIOLUS SOCIETY.

The society badge of the American Gladiolus Society will be furnished to



L. MERTON GAGE

all members that attend the Rochester meeting, on application to the undersigned at Convention Hall.

L. MERTON GAGE, Cor. Sec.

LADIES' SOCIETY OF AMERICAN FLORISTS.

Members will find the secretary at Exhibition Hall all day Tuesday, Aug. 16. Please come and get your badge and tickets for reception and dance, Wednesday evening, Aug. 17.

Directors meeting at 9.30 a. m., Aug. 17. Annual meeting at 10.30 a. m., Aug. 17, at Pastors, Hotel Seneca.

Don't forget your badge pins.

MRS. CHAS. H. MAYNARD, Sec.

CONVENTION NOTES.

The Secretary has received notice from the St. Louis Florists' Club that an invitation will be extended the Society to hold its 1911 meeting in St. Louis.

Badges have been mailed to all

members who have paid their dues. Do not forget to bring them to the convention as two badges will not be issued on one receipt.

From the reports and letters received the attendance at the coming convention promises to be the largest in the history of the Society.

Mr. A. L. Miller, vice-president from eastern New York, says that about 200 from New York City will attend the meeting.

The Executive Board recommends that the Society hold a special meeting at the time of the National Flower Show in Boston.

H. B. DORNER, Sec.

A circular has been sent out among S. A. F. members, from the Secretary's office, asking for individual opinions as to the advisability of abandoning the August Conventions and holding the annual meeting in the spring. The replies to this proposition will, we presume, be counted up and the result announced at the Rochester Convention.

We are in possession of the list of those who, up to one week previous to the start, have registered to go from New York to Rochester with the N. Y. Florists' Club party. They number upwards of ninety. Adding those who go in advance to set up their exhibits, etc., and on trains other than the special it looks as though the New York representation would come pretty near the estimate of two hundred, made by President Miller.

SOCIETY OF AMERICAN FLORISTS

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the fern, "Nephrolepis Dreyerii," by Kessler Bros., 52 W. 28th street, New York, and G. Dreyer, Woodside, L. I., becomes complete.

H. B. DORNER, Sec.

August 4, 1910.

Registration of Carnation.

Public notice is hereby given that Henry Eichholz, of Waynesboro, Pennsylvania offers for registration the carnation described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description—Alvina × Victory; of dwarf growth, forming quickly a very large plant in the field; will produce from early struck cuttings plants furnishing 100 and more blooms per season; adapted to a pot plant for Christmas sales; color of the true poinsettia scarlet.

Name—"Christmas Cheer."

H. B. DORNER, Sec.

August 4, 1910.

We learn from L. Merton Gage, that his gladioli are showing up remarkably well this year with hardly a trace of disease. This he accounts for by the fact that he has been using freely the formaline treatment.

THE PAST, PRESENT AND PROSPECTIVE OF THE SEED BUSINESS IN AMERICA.

Francis Brill, before the American Seed Trade Association.

After mentioning a number of the pioneer seedsmen of America whose acquaintance he had enjoyed during sixty years' association with the seed business, Mr. Brill continued:

I am writing from memory and may have overlooked some of the solid "old timers," but they will not feel slighted, for undoubtedly they have passed away, and in company with those I have named who have gone before, are now enjoying the reward promised to all who sell honest seeds, in that beautiful land "Where neither moth nor rust doth corrupt, nor thieves break through nor steal," nor overzealous Congressmen and State legislators meddle with the seedsmen's business. In this connection I desire to say that seedsmen who deal in vegetable and flower seeds, and who handle only stocks of undoubted purity, need have no fear of any laws hatched out by members of Congress or members of State legislatures, which are absurd, uncalled for and unnecessary, as to get rid of dishonest dealers who sell "any old thing" that can be bought for "any old price," give them rope enough and they will hang themselves. I do not handle "grass seeds," but it seems to me it must be very difficult to detect foul seeds in most varieties thereof and undoubtedly some of the laws enacted or proposed are very unjust.

In my boyhood days, and even up to thirty years ago, prices were higher and profits much greater than now. Seedsmen turn their money practically but once a year, and in former days seeds were sold at the seedsmen's legitimate profit and not as is now too often the case, on the grocer's or dry goods merchant's margins, or along other lines where capital is turned monthly or weekly; and why have conditions changed? Simply because some of our craft, not satisfied to do a legitimate competitive business, have adopted a system of cut-throat opposition. I endeavored to procure several old-time catalogues to help me out, but have been disappointed, some claiming that such had not been preserved, and a few failed to respond, although in each case I complied with the usual custom. My thanks are due and hereby tendered to Mr. Fred'k W. Bruggerhof, of J. M. Thorburn & Co., for a copy of the catalogue of G. Thorburn & Son—1827—4x7 inches, 96 pages—in large part a treatise on the cultivation of vegetables and flowers. Also catalogue of seeds—James M. Thorburn & Co.—1847, and a bound volume of their catalogs from 1864 to 1877. Mr. S. F. Willard has also kindly loaned me a "Wholesale Price Sheet" of seeds for sale by Comstock, Ferre & Co.—1849.

It is interesting to compare these with the "Catalogues" and "Price Lists" of the present day. For instance, to take a few leaders: Comstock, Ferre & Co., wholesale: Beet, per pound, including "Mangels" and "Sugar," 50 cents, and the "Bassano" (now scarcely known) 75 cents; cabbage, mostly imported varieties, \$1.25 to \$1.50; carrot, 75 cents to \$1.00; cucumber, 75 cents; lettuce, \$1.25 to \$2.00; melon, about 75 cents; onion,

VIEWS IN JAPAN LILY GROWING DISTRICTS.

Photos by Courtesy of R. M. Ward & Co.



A Field of "Formosas" of a Type Much Favored in London.



"Formosa" Lilies in Oshima Growing in the Cypress Fields.

75 cents to \$1.00; pepper, \$2.50; radish, 50 cents; spinach, 40 to 50 cents; squash, 50 cents; tomato, \$1.50; turnip, 50 to 60 cents. In the catalogue of G. Thorburn & Son—1827, there are enumerated a line of seeds some names of varieties still familiar, while others, having served their day and generation, are no longer in vogue; for instance, the list of cabbage seeds, mainly imported, comprises more than twenty varieties, fifteen of which cannot now be found in any American seed catalogue. The various articles

are not priced as now, but are prefaced by characters such as the (*) (†) (§) (||) (§) etc., and letters (a) (b) (c) and (d) which refer to "A Key to the Prices of Esculent Vegetable Seeds," on the fly leaf at the front of the book. No pictures, no paint in those days. Prices were 12½, 25, 37½, 50 cents and \$1.00 an ounce, and 12½, 35, 37½ and 50 cents per quart; **nothing** said about packets, pecks or bushels.

The subsidiary coins of those days and up to 1857, were largely Spanish—sixpence—6¼, and shilling—12½ cents

WELCH BROTHERS

ONE THIRD OF A CENTURY IN BUSINESS

Can furnish high-grade flowers packed for shipment in the most skilful manner, at all seasons.

GROWERS OF FLOWERS

Who wish to consign their total product for sale the coming season would do well to communicate with us. We charge 20 per cent, and guarantee growers against any loss through bad bills. Payments are made monthly or oftener if necessary and reports of sales are made semi-weekly.

A STRICTLY UP-TO-DATE SUPPLY DEPARTMENT

Where everything for the flower store can be had on short notice. Send for Catalogue.

226 Devonshire St., - - Boston

Telephones 6267, 6268, 5419 Main



HOTEL SENECA

Rochester's Leading Hotel

Headquarters S. A. F. Etc.

A. M. WOOLLEY

Manager.

which accounts for the fractions. By an act of Congress passed in 1857, the value of these foreign coins was fixed at 5, 10, 20 and 40 cents, which soon drove them out of the country.

Flower seeds were sold at 6 cents per paper, 100 papers for \$5.00. In the 1847 catalogue of James M. Thorburn & Co., we find prices quoted: Beans, per quart, Dwarf or Bush, 25 cents; pole varieties, 25, 37½ and 50 cents; Indian corn, seven varieties, including but one of "Sweet" or "Sugar," 25 cents per quart, 6 cents per ear; peas, fourteen varieties at 25 cents, twelve varieties at 50 cents per quart, and seven new varieties at 25 cents per packet. Very few of the names of varieties now familiar. Beet, seven varieties, including Swiss Chard, Mangel, and two of sugar beet, 12½ cents;

yellow turnip and Bassano, classed as new, 25 cents per ounce; cabbage, twenty-six varieties, including Kohl Rabi and Savoy—two-thirds of which are now unlisted—25 cents per ounce; carrot, two varieties for table use, 12½ cents per ounce, two varieties for cattle, 75 cents per pound; celery, 25 cents; cucumber, Early Frame and Early White Spine, 12½ cents; Long Green Southgate, Long Green and Long White Turkey, 50 cents per ounce; lettuce, twelve varieties, six at 25 cents and six at 50 cents per ounce; egg plant, \$1.00 per ounce; melon, 25 cents; onion, 25 and 50 cents, parsley and parsnip, 12½ cents; pepper—four varieties, 50 cents, Sweet Spanish and Sweet Mountain, \$1.00 per ounce; radish—twelve varieties, 12½ cents; spinach, 12½ cents; squash, 12½, 25 and

50 cents per ounce; tomato—Large Red, Large Yellow, Cherry and Pear—only four varieties—probably enough for those days, as I have heard my father say that he could well remember when there was not a half-peck of tomatoes sold in New York City. He was born in New York City in 1800, and as a market gardener dated back to 1828 at Jersey City, N. J. Of turnips, sixteen varieties, including two Ruta Baga, are listed at 12½ cents per ounce. Flower seeds, 6¼ cents, some at 12½ cents, and a very few at 25 cents per packet. There are too many kinds to enumerate, but I must note by way of comparison the universal favorite sweet peas, of which hardly a dozen varieties, including everything under the head of "Lathyrus" are mentioned, while today there are vari-

VOLUME
1
NUMBER
6

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 13th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"Quality" Christmas Sweet Peas

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. William Sim. Salmon-pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue variegated; good for variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN,

342 West 14th Street, NEW YORK



Not How Cheap But How Good

eties and sub-varieties, types and strains, running into the hundreds.

I have a daughter married to a member of an extensive seed growing firm in California. A few years ago in writing home she said: "The soil of this section does not admit of our having such magnificent lawns as are common in the east, but we have 140 acres of sweet peas in our back yard." The next year 360 acres were grown, last year 500 acres, and still a greater acreage soon to be harvested in 1910. This is only on one ranch, and probably not one-fifth of the annual output of sweet peas in the wonderful State of California, where thousands upon thousands, yea, hundreds of thousands of acres are cultivated in seeds of every description from beans and all sorts of vegetable to the very finest in flowers.

By chance I have found a copy of my 1860 list—a one-sided sheet, 5 x 9 inches, with prices to market gardeners: Asparagus, 75 cents; beet, 75 cents; cabbage, \$5.00 to \$6.00; carrot, \$1.25; cucumber, \$2.00; celery, \$4.00; leek, \$2.50; lettuce, \$4.00; melon, \$1.50 to \$2.00; onion, \$1.50 to \$2.00; parsley, \$1.00; parsnip, 75 cents; pumpkin, \$1.50; radish, 75 cents to \$1.00; spinach, 63 cents; squash, \$1.50; tomato, \$3.00 and turnip, 75 cents per pound; egg plant and pepper, 50 cents per ounce.

All figures are by way of comparison with prices ruling at the present day. It is true that conditions have changed and very materially so, within the past twenty-five or thirty years. Seventy-five years back there were very few regular seedsmen in America, and they depended mainly upon Europe for their supplies. Sixty and even up

to fifty years ago, market gardeners to a great extent grew seeds for their own sowing and aimed to have a plenty, hence frequently they had a surplus which was eagerly sought for by the few seed dealers, who were willing to pay good round prices, and did not "kick" as is sometimes the case in these days, if a few pounds were sold here and there to neighbors who chanced to be short. I well remember sixty years ago how the five market gardeners on the Van Vorst property at Jersey City, interchanged seeds—each one growing one or more kinds and selling surplus to seedsmen. Dr. Tracy, of the Department of Agriculture, whom all of you know, writing of "Vegetable Seed Growing as a Business," asserts: "Records of only about 45 firms that were in business in this country as distinctly seed merchants previous to 1862 can be found, while a list of American seedsmen published in 1908, includes the names business is the growing and handling

of over 800 American firms whose sole of seeds; with more than 650 other firms making seeds an important part of their business."

Were it not for making my paper too lengthy, I would like to quote further from Dr. Tracy, whose article is full of information, and as a whole very interesting. I must, however, beg to differ with him wherein he says: "Fifty years ago there was little general appreciation, even among experienced gardeners, of the importance of the quality of the seed used (provided it only would grow) as a factor in determining the real profit in growing a crop." My observations were quite to the contrary. I will cite just one instance: My father and my uncle were the first to grow the Early Wakefield cabbage in this country, having received it from Europe about 65 or 70 years ago, and it remained in the hands of the five Jersey City market gardeners for a number of years. Among those who were

DIRECT PURCHASE FROM FRENCH GROWER WITHOUT PASSING BY DEALER

Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

Freesia Refracta Alba.

Etc., Etc., Etc.

SOLEILLET, Horticulteur, Toulon, France

Meet Us at the **CONVENTION**

Get a line on all the leading varieties of Asters and other summer blooming plants.

SEE US ABOUT THAT BULB ORDER

Outside of our Aster business, no other department of this concern has grown as rapidly as our Holland Bulb business. There is a good reason: Florists can depend upon our stocks; our system of handling assures the correct filling of orders, consequently florists who want the best stock order more and more of us every year. We did not receive a single complaint in our wholesale department concerning our bulbs last season. Isn't that a good reason why you should give us your bulb order this fall? If you cannot come to the Convention, let us know what varieties you want and we will quote prices.

Now Ready.

New Pansy Seed—All the leading varieties of the Giant Strain. Of mixtures, Vick's Superb strain is the best. 1-16 oz. 40c., 1-8 oz. 75c., 1 oz. \$5.00.

Harrisii Lilies, 7x9, fine stock, \$1.50 dozen, \$9.00 per hundred.

Ready Soon.

	Per 100	Per 1000
Candidum Lilies ,	\$4.50	\$40.00
Calla Lilies , large selected bulbs	9.00	
Double Roman Narcissus	1.20	10.00
Freesias , mammoth, ¾ in. and up	1.50	11.00
Freesias , large size, ½ to ¾ in. . . . .	.90	7.50

SEE US AT THE CONVENTION OR WRITE.

JAMES VICK'S SONS

Rochester, New York

Good Spawn The Foundation

That there is good money for florists, farmers, village people, amateurs, in growing mushrooms is admitted.

IF

Of course there are a lot of "IFS" in this as in everything else; but the first and biggest "if" in the path of success is

IF

You Start with Good Mushroom Spawn

Our special circular [free] tells the story. New importations of Michell's Finest English Spawn just in.

10 lbs. \$1.00	50 lbs. \$3.50
100 lbs. \$6.50	

Sample Brick by mail, postpaid, 25c.

Henry F. Michell Co., 518-1018 Market St. Philadelphia, Pa.



CAN ALSO FURNISH

Lambert's Pure Culture

AND

Anglo-American Pure Culture

at regular rates.

Send for our Midsummer Wholesale List.

eventually attracted to its good qualities, was one John Lundergan, of Watervliet, near Albany, N. Y., whose custom it was for several years to come down to my father every fall and buy seeds of various kinds, especially Early Wakefield cabbage. Upon one occasion my father's crop thereof was almost a total failure, so when Mr. Lundergan came there was no seed of that variety for him. My father had explained to him that his entire crop was but a single pound, which he must retain for his own sowing for market and for growing seed in subsequent years. After trying all sorts of persuasive argument Mr. Lundergan drew from his wallet a \$50.00 bill which he offered my father for that one pound of seed, but of no avail. That was a matter of confidence, the corner-stone upon which the seed business more than almost any other must rest for a successful upbuilding.

In regard to the "Government Free Seed Distribution:" If such must exist, why not confine it to seeds of American production, the best of their kind that can be procured, ignoring entirely all commonplace stocks, and importing, if at all, only new and rare things, not yet introduced into this country? But "Uncle Sam" will have to get around early to get ahead of the enterprising, hustling seedsmen.

Now, in conclusion, why is it that while almost every other business is protected in some manner, working along in perfect harmony, yet so many of our craft are at sword points, cutting and slashing? I am utterly and unalterably opposed to trusts and combinations organized for the purpose of

greed and robbery, but as "self-preservation is the first law of nature," why should not we work together for our mutual benefit? Ridiculously low prices are not an incentive to gardeners and farmers to buy large quantities—each one knows for himself just how much seed he must have to produce a certain number of plants or to seed a given acreage, and whether the seed costs \$1.00 or \$10.00 per pound he buys the necessary quantity—entirely unlike living commodities—for instance, meats. If beef sells for ten cents per pound, the laborer will buy more beef for his family than he will at twenty cents per pound. The same argument applies in the purchase of wearing apparel and other necessities of life.

I have given you an idea of prices prevailing half a century and more ago. You know what they are in these days. Of course Europe with its cheap labor, and California with its even climate and many other superior advantages are important factors in making prices with which other sections have to compete; still I am of the opinion that it is up to our Association to take action whereby all may live and let live. At the age of seventy-four, I can hardly expect to attend many more conventions. My re-

lations with my fellow seedsmen, as a whole, have been pleasant. I thank you for your patience in listening to such a dry and seedy subject. If I never again meet with you in convention, I trust that we may one and all meet in the good seedsmen's paradise. I shall endeavor to at least be entitled to a rear seat.

SEED TRADE NOTES.

Atchison, Kans.—The reorganization of the Mangelsdorf Seed Co. has been completed. William Mangelsdorf and Henry D. Back assume the business at Ellinwood, Kans., and all the real estate in Barton County. August Mangelsdorf and his sons took over the entire business at Atchison. The company is capitalized at \$100,000.

Vinton, Ia.—E. D. Roberts, a farmer of Red Oak, Ia., charged with defrauding a number of the farmers of Benton county by selling seed corn last spring, was fined \$100 by Squire Bryant. W. F. Heath, the complainant, finding the corn to be poor, shipped it back to the seller and demanded the return of the \$2.50 per bushel for the nine bushels he had bought, but was refused and his money retained.—*Des Moines Capital.*

Francis Brill

GROWER and DEALER

**Hempstead, L. I.
NEW YORK**

Choice Seeds

For Gardeners, Truckers and Plant Growers

Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.

Price Lists Free Quality Finest Wholesale and Retail



LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS **WHITE PEARL ONION SETS** **NOW READY** **LOWEST PRICES ON APPLICATION**

Largest Growers of Peas Beans and Garden Seed. Headquarters 228-230 W. KINZIE STREET **CHICAGO**

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance. The immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form. Every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selection. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown bronze, red, mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures. 2000 seeds 50c., 5000 seeds \$1.00, $\frac{1}{4}$ ounce \$1.25, ounce \$5.00, pound \$50.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades. Trade pkt., 25c., any five \$1.00, 12 pkts., one of each variety, \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 seeds of Rainbow free, and with other amounts in like proportion.

CHAS. FROST
Kenilworth N. J.

Seasonable Seeds For Summer Sowing

All the leading kinds

James Vick's Sons
SEEDSMEN
ROCHESTER, - N. Y.

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

ESTABLISHED 1820

Thorburn's
Bulbs

LILIUM HARRISII

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Price

Inquiries Solicited

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head 2cc. \$1.00
10,000 and over, 85cts. per 1,000

CELERY—White Plume,
Golden Self Blanching, Giant
Pascal, Golden Heart and
Boston Market 2cc. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.

White Marsh, Md.

CHEER UP!

French Bulbs will soon be in. Bremond's stock. The very best produced.



Not How Cheap
But How Good

Write for prices on
Horseshoe Brand.

RALPH M. WARD & CO.

12 West Broadway

NEW YORK

CINERARIA

Hyb'd Large Flowering

Trade Pkt. \$1.00

WM. ELLIOTT & SONS,

42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'kt. 50c; $\frac{1}{4}$ -oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE SEEDS
FOR THE
FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Quincy, Ill.—The Woodland Floral Co. is the name under which the business formerly conducted by August Fischer will be conducted.

Pittsburgh, Pa.—A. M. Murdock has retired from the retail florist business and has leased his entire building at 250 Fifth avenue to other parties.

Newton Square, Pa.—The barn of H. H. Battles, the Philadelphia florist, was burned on July 30, with 100 tons of hay and two horses. Loss \$10,000.

Des Moines, Ia.—The heavy wind during the evening of July 27 broke a large plate glass window in the Guthrie-Lorenz Co. flower shop. It tore down the awning and the iron support was thrown against the glass.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Aug. 19

Atlantic Transport.

Minneapolis, N. Y.-London...Aug. 13

Minnetonka, N. Y.-London...Aug. 20

Cunard.

Saxonia, Boston-Liverpool...Aug. 16

Lusitania, N. Y.-Liverpool...Aug. 17

Carmania, N. Y.-Liverpool...Aug. 20

French.

La Bretagne, N. Y.-Havre...Aug. 18

Hamburg American.

Amerika, N. Y.-Hamburg...Aug. 13

Pres. Grant, N. Y.-Hamburg...Aug. 17

Cincinnati, N. Y.-Hamburg...Aug. 20

Holland-America.

Ryndam, N. Y.-Rotterdam...Aug. 16

Petsdam, N. Y.-Rotterdam...Aug. 23

Leyland.

Bohemian, Boston-Liverpool...Aug. 14

North German Lloyd.

Prinzess Irene, N. Y.-Mdt'n...Aug. 13

Geo. Wash'n, N. Y.-Bremen...Aug. 16

Koenigin Luise, N. Y.-Mdt'n...Aug. 20

K. Cecille, N. Y.-Bremen...Aug. 23

Red Star.

Lapland, N. Y.-Antwerp...Aug. 13

Kronland, N. Y.-Antwerp...Aug. 20

White Star.

Celtic, N. Y.-Liverpool...Aug. 13

Majestic, N. Y.-Southampton...Aug. 17

Codic, N. Y.-Liverpool...Aug. 20

Zeeland, Boston-Liverpool...Aug. 23

NEWS NOTES.

Easton, Pa.—The greenhouse of Howard P. Kleinhaus, with garage and automobile, was destroyed by fire July 30, loss \$7,500.

Oakland, Cal.—G. C. Farley has purchased an estate on Rock Ridge Place and will erect a large fernery and make other improvements.

Hastings, Neb.—Eleven lots of land have been purchased by C. B. Tanner from U. S. Rohrer, to be used in an enlargement of his business. Additional greenhouses will be built.

New Albany, Ind.—Rev. Francis Walker, who has salesrooms on Fourth avenue, Louisville, Ky., was stricken with sun stroke on the afternoon of Aug. 3. He is now much improved.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS

The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by Towns for Ready Reference.**

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Heintz.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Tully.

NEWS NOTES.

Meriden, Conn.—Alexander Dallas, florist of Waterbury, has purchased the Lockhart estate on Meriden Road and will build a range of houses.

Kalamazoo, Mich.—The home of James Frazer, proprietor of the Mountain Home Cemetery greenhouse, was burglarized July 29 for the second time within a week.

Cincinnati, Ohio.—Suit for \$10,000 for alleged injuries received when the greenhouse at Eaton Park fell on him March 13, has been filed by Wm. Hueber. This is the fifth suit against the city by persons injured at that time.

Floral Hill Park, N. Y.—Invitations have been issued for an inspection of the fields of gladioli in bloom at John Lewis Childs' new place, Flowerfield, L. I., on Saturday, August 13. Train leaves L. I. City or Flatbush Ave. at 9.12 a. m. "Flowerfield" is fifty miles from New York City.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

ST. LOUIS NOTES.

Edwin Denker, the St. Charles, Mo., florist, is taking in the big cities in the East and will stop off at Rochester next week to attend the Convention.

Schmaus Bros., who operate quite an extensive plant at Paducah, Ky., motored from home to St. Louis and spent a few days visiting the local trade.

A. P. Geranios, of the Metropolitan Floral Co., reports that they will open their new store on Monday, August 15. Mr. Geranios was for the last few years with Fred. H. Weber.

The first Florists' Bulletin will be issued this week Tuesday for the benefit of the local florists. It is being issued by the St. Louis Florist Club and in charge of a committee of six with C. Delbrow as chairman.

Our visitors last week were F. J. Farney, of M. Rice & Co., Phila.; Julius Dillhoff, of Schloss Bros., New York; E. W. Guy, Belleville; Ed. Denker, St. Charles, and J. F. Ammann and family, of Edwardsville, Ill.

The evergreen bag worm is giving City Forester Meyer a great deal of trouble of late and he don't seem to be able to battle against it. A great many of our fine trees have lost their beauty through the beasts. Junipers and arborvitae are especially suffering from them.

The W. E. Smith Wholesale Florist Co. are all upside down with alterations of their present site, which when completed will give them an up-to-date florists' supply house. This, Mr. Smith says, will keep him from attending the Convention this year, but Mr. Ossie of this firm will make the trip.

PERSONAL.

William Gray, formerly gardener for Mr. Horace Russell, Southampton, L. I., is now gardener for Mrs. W. B. Leeds, "Rough Point," Newport, R. I.

Visitors in Boston—F. R. Pierson, Tarrytown, N. Y.; F. Mouncey, representing W. A. Manda, So. Orange, N. J.; H. S. De Forest, of Pierson U-Bar Co., New York.

Visitors in Buffalo—A. N. Pierson, Cromwell, Conn.; Robt. Klagge and family, Mt. Clemens, Mich.; Mr. Jones, representing Pennock-Meehan Co., Philadelphia, Pa.

Among the out-of-town florists who are taking part in the celebrations of the Knight Templar Conclave, in Chicago, this week, is M. C. Kent, Newark, Ohio; Geo. Kranz and son, Muscatine, Iowa; N. Bommersbach, Decatur, Ill.; O. J. Olson, St. Paul, Minn.; A. Elberfeld, Kansas City, Mo.

Chicago visitors—A. M. Augspurger, Peoria, Ill.; Mr. Steiner, of R. R. Davis & Co., Morrison, Ill.; Geo. H. Bancroft, of Joseph Bancroft & Son, Cedar Falls, Iowa; H. R. Marquardt, of The E. Welke Co., Milwaukee, Wis.; Geo. Kranz and Fred Kranz, Muscatine, Iowa; V. J. Olson, St. Paul, Minn.; T. B. Comandros, of Golden Rule Flower Department, St. Paul, Minn.

**DOMESTIC AND INTERNATIONAL
FLOWER DELIVERY.**

In our advertising pages will be found the announcement of a new venture which contemplates the establishment of an international medium of interchange of orders and delivery service among floral houses in this country and abroad. That such a system as is proposed would be a most valuable adjunct to the florist trade will be apparent to all. The idea is by no means a new or novel one, for it has been before the trade in one form or another for the past quarter of a century. The strong feature of the present scheme is, as we understand it, first, ample capitalization, and, second, the fact that it is already well established abroad and now only requires the co-operation of the American trade to make it an efficient agent in enlarging the market for flowers and at the same time simplifying the methods of their delivery.

The one great obstacle to the full development on these lines in the past has been the ignorance of the flower buying public, due wholly to the failure of the florists, who, while they may have been aware of the fact themselves, have failed to inform the public of the means at their command for safe flower delivery at distant points. Widespread and persistent publicity concerning the facilities offered—through window announcements, newspaper notes and local and general advertising—by those who propose to identify themselves with this promising project will be the main essential now for success. The reluctance of the retail florists, as a class, to adopt the modern advertising methods which have been used to such great advantage by other lines of retail business has been frequently commented upon. The time is ripe for the injection of a little more enterprising spirit and from what we have learned of the parties connected with the project in question, that is just what is going to happen.

INCORPORATED.

Fort Wayne, Ind.—W. J. & M. S. Vesey; to do a florist business. Capital stock \$54,000. Incorporators, Wm. J. Vesey and others.

Bloomfield, N. J.—The Greenhouse Construction Co. Capital stock \$125,000. Incorporators, E. J. Forham, C. F. Martin and H. P. Jones.

Utica, N. Y.—Crowe-Martin; flowers, shrubs, plants, etc. Capital stock \$5,000. Incorporators, Peter Crowe, Henry G. Martin and Flora Martin.

Rochester, N. Y.—J. B. Keller Sons; general florist, nursery and landscape business. Capital stock, \$30,000. Incorporators, F. J. Keller, J. M. Keller and W. L. Keller, all of Rochester.

Providence, R. I.—The Burke Rose Co. Capital stock \$50,000; to grow and sell flowers and plants. Incorporators, John T. Burke, Robert E. Burns and Isabell G. Burns, all of this city.

Biddeford, Me.—Strout's; to conduct a general florist, market gardening and nursery business. Capital stock \$40,000. President, Charles S. Strout; treasurer, Harry W. Libby, both of Biddeford.

The Raedlein Basket Company

Importers and Manufacturers of

FANCY BASKETS

Invite all florists going through Chicago to stop over and see their stock of baskets.

Two generations of Raedleins have been manufacturers of baskets in Germany and the Chicago branch has the best that your money can buy and cheaper because there are no middlemen's profits.

Close to the down town district, 713 Milwaukee Avenue.

*Under personal charge of the
Raedlein family.*

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

ASTERS

Queen of the Market, White Ostrich Plume

Choice stock, good flowers and good stems.
\$1.00, \$1.50, \$2.00.

W. E. McKISSICK & BROS., Wholesale
Florists
1619-1621 Ranstead St., Philadelphia



CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Merton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 9	TWIN CITIES Aug. 9	PHILA. Aug. 9	BOSTON Aug. 11
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	18.00 to 25.00	15.00 to 25.00
“ Extra	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00	10.00 to 15.00
“ No. 1	10.00 to 15.00	10.00 to 20.00	8.00 to 10.00	6.00 to 8.00
“ Lower grades	1.00 to 5.00	5.00 to 10.00	4.00 to 6.00	1.00 to 3.00
Bride, 'Mald, Chateaux, F. & S.	6.00 to 8.00	4.00 to 7.00	3.00 to 5.00	2.00 to 4.00
“ Lower grades	2.00 to 3.00	2.00 to 4.00	1.00 to 2.00	.50 to 1.00
Killarney, My Maryland, Fan, & Sp.	8.00 to 10.00	6.00 to 10.00	5.00 to 8.00	3.00 to 5.00
“ Lower grades	3.00 to 4.00	4.00 to 6.00	1.00 to 3.00	.50 to 1.00
Richmond, Fancy & Special	6.00 to 8.00	5.00 to 7.00	3.00 to 5.00	2.00 to 5.00
“ Lower grades	3.00 to 5.00	3.00 to 5.00	1.00 to 2.00	.50 to 1.00
Kaiserin, Carnot, Fancy and Sp.	6.00 to 8.00	6.00 to 10.00	5.00 to 8.00	4.00 to 6.00
“ Lower Grades	3.00 to 5.00	4.00 to 6.00	2.00 to 4.00	.50 to 2.00
CARNATIONS, Nov. and Fan. 2.00 to 3.00				
“ Ordinary	1.00 to 1.50	1.00 to 2.00	1.00 to .....	.75 to 1.50
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	50.00 to 60.00	50.00 to 60.00	25.00 to 35.00
Lilies	10.00 to 15.00	10.00 to 12.00	8.00 to 10.00	4.00 to 5.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Asters	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	.50 to 1.50
Daisies .....	.50 to 1.00	1.00 to 1.25	..... to .....	.25 to .50
Snapdragon .....	..... to .....	..... to .....	..... to	1.00 to 2.00
Gladioli .....	..... to .....	..... to .....	..... to	3.00 to 5.00
Sweet Peas .....	.25 to .50	.35 to .75	.30 to .50	.10 to .20
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to 25.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to	1.00 to 1.25
Smilax	12.00 to 15.00	12.00 to 15.00	15.00 to	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	35.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
“ “ & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	25.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns,
Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of
Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, CHICAGO, ILL. FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by]

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAY, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

Boston

Boston

Boston

HENRY M. ROBINSON & CO.

Wholesale and Commission Florists

15 PROVINCE ST., 9 @ 15 CHAPMAN PLACE

Cut Flowers of all kinds always on hand. We handle the product of fifty of the best growers of New England.

Headquarters for all Florists' Greens. Dagger and Fancy Ferns, Bronze and Green Galax, Cut Box Sprays, Leucothoe, Laurel and Southern Smilax.

Importers and Manufacturers of Florists' Supplies. The largest stock in this section.

Our great success is the result of our guaranteed satisfaction to all, and disappointment to none.

Send Us Your Order. Give Us A Trial Order

TELEPHONES:

Main 555-2617-2618.

Fort Hill 25290-25292

Flower Market Reports.

BOSTON The demand for flowers is about normal as compared with the corresponding weeks of last year. The wholesale dealers are not expecting to exceed the record but are solicitous to keep the record from falling down. Quality in stock offered is good, considering the vicissitudes of the season. Asters are moving up to a position of preeminence just now. They are of prime quality and really worth more than the market quotations would indicate. Roses remain as before; Kaiserin and Carnot leading—all others lagging behind. Carnations are not much of a factor, but it might be recorded that the flowers from old, carried over plants are the best coming in at present. Lily of the valley has braced up somewhat of late and holds its own commendably. The watering places along the New England coast are seeking for it. Good lilies are coming in, exceptionally good for the season. In orchids the only abundant supply is of Cattleya Harrisoniae and the flower is too small to command respect from the buyers.

BUFFALO Business has been quite satisfactory the past week, though there has been no rush of any kind. There is nothing in the cut flower line that is really scarce, but at times a shortage is had on the summer roses, Kaiserin and Carnot. Much short material is received and generally cleans up well. Good carnations are just about seen. Home-grown gladioli in mixed colors begin to accumulate. Eastern lilies have shortened in supply and demand

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Aug. 9		Aug. 9		Aug. 9		Aug. 9	
ROSES								
Am. Beauty, Fan. and Sp.....	12.00	to 20.00	16.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" Extra.....	8.00	to 10.00	12.00	to 16.00	12.00	to 15.00	10.00	to 12.50
" No. 1.....	4.00	to 6.00	5.00	to 12.00	7.00	to 10.00	6.00	to 8.00
" Lower grades.....	2.00	to 3.00	3.00	to 8.00	2.00	to 4.00	.....	to 4.00
Bride, 'Maid, Chatenay, F. & S....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Low. gr.....	2.00	to 3.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, My Maryland, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Lower grades.....	2.00	to 3.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy & Special.....	4.00	to 6.00	5.00	to 9.00	5.00	to 6.00	6.00	to 8.00
" Lower grades.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot, Fancy and Sp....	6.00	to 8.00	6.00	to 9.00	5.00	to 7.00	6.00	to 8.00
" Lower Grades....	2.00	to 4.00	3.00	to 6.00	3.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy								
" Ordinary.....	1.00	to	1.00	to 1.50	.75	to 1.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies.....	6.00	to 8.00	12.50	to 15.00	8.00	to 12.00	6.00	to 8.00
Lily of the Valley.....	3.00	to	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters.....	1.00	to 1.00	1.00	to 2.00	.40	to 2.00	1.00	to 2.00
Daisies.....	1.00	to .....	.50	to .75	.50	to 1.00	.....	to 1.00
Snaptragon.....	4.00	to 8.00	.50	to 1.00	1.00	to 2.00	.....	to
Gladioli.....	3.00	to 6.00	.....	to	2.00	to 4.00	.....	to
Sweet Peas.....	.25	to .50	.30	to .50	.20	to .50	.....	to
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.75	to 1.50	.50	to 1.00	1.00	to 1.50	1.00	to 1.25
Smilax.....	12.00	to 15.00	.....	to 15.00	15.00	to	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 40.00	20.00	to 40.00	50.00	to 60.00	30.00	to 50.00
" " & Spre. (100 bchs.)	25.00	to	20.00	to 40.00	25.00	to 50.00	30.00	to 50.00

having improved much since a week ago. Other lilies, such as speciosum and auratum, are in fine quality. Asters of the early variety are rather small in bloom, but the stems are good. So far the market cleans up well.

CHICAGO There is a little change in the market condition from last week, as stock, while not in much greater quantity, is much improved in quality, as is noticeable from day to day. Pink and White Killarney roses are, as usual,

the favorites, and now that there is a good new crop supply of these arriving, the other roses, outside of Beauties, take a back seat. There is a sprinkling of carnations here and there, but very few are in any condition to boast of, and they are practically a back number. What are shipped in, however, are sold readily. Asters are much more encouraging in quality the past few days and some really good flowers are now to be had at all wholesalers. Easter lilies

(Reports continued on page 125)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 750 Madison Square New York

J. K. ALLEN
Wholesale Florist

Established 1887. Open 3 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending August 6 1910		First Half of Week beginning Aug. 8 1910	
American Beauty, Fancy and Special.....	10.00	to 20.00	15.00	to 25.00
" " Extra.....	8.00	to 10.00	10.00	to 15.00
" " No. 1.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, 'Hald, Golden Gate, Fancy and Special.....				
" " Lower Grades.....	.75	to 2.00	.75	to 2.00
Killarney, Richmond, Fancy and Special.....	2.00	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserlin, Carnot, Maryland, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
5893

NEWS NOTES.
Lawrence, Mass.—Lightning struck
the greenhouse of Charles E. Win-
gate, 182 Essex street, recently,
breaking the great majority of the
glass and blowing the ventilators
from their hinges.

Wethersfield, Conn.—The severe
storm of July 28 did considerable
damage in this vicinity. Lightning

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

struck the cupola on the large Wm.
Meggett seed warehouse, Hartford
avenue, splitting it from top to bot-
tom.

Rome, N. Y.—Wm. T. Hughes has
purchased of H. A. Caswell the prop-
erty at 211 West Liberty street and
a greenhouse and office will be con-
structed there to be used in connec-
tion with his River street property.

Flower Market Reports

(Continued from page 223)

are plentiful; the call, however, is erratic. There is a good supply of auratum and rubrum—at least enough for what the demand calls for. Lily of the valley is unusually scarce; more could be used if obtainable. A varied collection of gladioli is seen at all places. The favored varieties are America, Augusta and Frances King. Sweet peas are out of the running. The hardy flowers, such as coreopsis, candytuft, gailardias and some few other sorts are to be had; the demand, however, is slight. A good supply of green goods continues to come in. There is a decided improvement in the quality of the common ferns. No change in prices from last week.

The quality of the aster crop greatly improved last week. Most of the small-flowered early-market type are now done and replaced with much finer flowers—altogether superior in size, form and finish; and with fine, long stems. Among the conspicuous arrivals in asters are fine Vick's Upright and Vick's Branching. The gladiolus receipts have slackened up considerably, but they are still dividing honors with the asters as the great midsummer cut flower. Water lilies are in good supply and fine. Cattleyas, and a few white and spray orchids, make up the bulk of the offerings in that line. Roses and carnations are of the usual summer quality. American Beauty, and Kaiserin are quite good in the former for the season. No change in other staples.

The cool weather of late has put a little life into the business, but still the reports have it dull everywhere. As to cut stock at any of the commission men it is rated as poor in quality and nothing like good roses and carnations are looked for until next month. At present the market is carrying a large supply of poor asters, of which the light shades sell fairly well. A fine lot of gladioli are on sale at 3 and 4 cents. The Armstrong everblooming tuberosa stalks are now coming and will soon be abundant. Five cents is the present price. A lot of other outdoor stock is seen, such as hydrangeas, feverfew, candytuft and cornflowers. Asparagus has the best call in greens.

Detroit.—The first week of August has well succeeded in keeping up the July record. Prices and supplies of flowers are unchanged. A slight improvement in the quality of asters is apparent.

There are rumors galore concerning the New York wholesale district and it is evident that 28th street will be a centre of bustle and sensation during the coming season unexcelled by anything in the past in that noted hub of the flower trade. One item that is beyond the realm of rumor and is accepted as a fact is that William Ford, formerly of Ford Bros., is to return to the fray and will open up at 45 West 28th street. There are other developments, which lack full verification, however, that point to lively times for next winter and those who have been thinking that the glory of the old arena had begun to fade "have another guess coming."



NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 6 1910		First Half of Week beginning Aug. 8 1910	
Cattleyas.....	30.00	to 60.00	30.00	to 60.00
Lilies.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.50	to 2.00	.50	to 2.00
Daisies.....	.25	to .40	.25	to .50
Snappdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.25	to 1.50	.25	to 1.50
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	4.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spren. (100 bchs).....	10.00	to 14.00	10.00	to 15.00

THREE REPRESENTATIVE CHICAGO HOUSES.

Raedleln.

One of the special points of interest to Chicago visitors is the establishment of The Raedleln Basket Co., at 713-717 Milwaukee avenue. This company, whose business life includes two generations of Raedleln basket manufacturers in Weidhausen and Ebersdorf, Germany, opened the Chicago house one year ago. A visit there will surprise anyone, for nearly everything in imported and home manufactured baskets can be found at very reasonable prices. The Chicago house is in charge of one of the Raedleln brothers, a sister, Mrs. Kindler, and her son, and they cordially invite florists returning from the convention to give them a call. See their adv. in this issue.

Garland.

H. S. Garland will represent the Geo. M. Garland Co., at Rochester, with a model greenhouse 17 feet long. It will have all the latest appliances and be an object lesson on what and how to build in order to be up with the times. Mr. Garland is a son of Geo. M. Garland and a grandson of Sol. Garland, all of whom have been in the greenhouse business. The grandfather had the distinction of being the first man in Chicago to have a range of modern houses, but the inventions of the two succeeding generations have left the first range in the background. The Garland iron gutter, the Garland truss construction and a soil conveyor, are among their specialties. See advertisement on another page and do not overlook the exhibit.

Oechslin.

Visitors to the greenhouses of Frank Oechslin will find the stock of this up-to-date plantsman in a fine and thrifty condition. The chief business here is the supplying of the finished plants to the wholesale trade in Chi-

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

cago, but he has also a steadily increasing shipping trade. Just now is the quiet time, yet the stock is well worth inspection. Especially is this true of the Boston and Whitmanii ferns of which there are several large houses, benched and in pots, all sizes. There are thousands of table ferns ready for fall, Asparagus plumosa and choice foliage plants in abundance; also a fine stock of primroses, cyclamens and poinsettias.

Elgin, Ill.—Wm. Daws, for the past fifteen years with Geo. Souster of this city, has gone into business for himself, and starts out with two houses 150 ft. long.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All year in Stock

ROBERT J. DYSART Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON
Telephone, Main 58.

TO FLORIST



It has been said that "There's nothing you're getting used, by this time to M that if the usual plea in behalf of my from this center fold of Horticulture's ing "Has anybody seen McManus?"

Perhaps it is indiscreet to let the fell I'll tell you in confidence that my styl up by strict attention to the interests ried the name of **McManus** into th florists far and near and you all know there are some who are constantly in n trade and yet they hesitate and let the to wake-up; still it will be always true t that they run half-way to meet it."

My specialties are **Cattleyas**, **Laeli** tleyas, **Vandas**, **Aerides**, **Oncidiu** **Phalaenopses**, **Dendrobiums**, **Cy** and **Calanthes** in great variety, in the

nias, Lily of the Valley, White and Yellow Daisies, Ch order or decoration ahead write to me for information as to wha

42 West 28th St.

JAMES M

NEW

MY FRIENDS

...e being used to a thing." No doubt
 ...anus' publicity methods. I suppose
 ...favorite flower specialties were missing
 ...Convention Number, you'd be inquir-
 ...n it be possible that he has quit?"

...s who are dozing know too much but
 ...f advertising does pay me. Backed
 ...customers and consignors, it has car-
 ...sanctums of hundreds of wide-awake
 ...at it has done for the **Orchid**. But
 ...d of my choice material for particular
 ...lert rivals outdo them. They ought
 ..."Some people are so fond of ill-luck

...Brasso=Cattleyas, Laelio=Cat-
 ...s, Odontoglossums, Miltonias,
 ...pediums, Coelogynes, Lycastes
 ...respective flowering seasons. **Garde-**
 ...ce Ferns and Asparagus. If you have a prospective flower
 ...ppropriate material I can furnish for purpose and date required.

CMANUS

YORK



TELEPHONE
 759 Madison Sq.

THE WORLD YOUR MARKET

**Flowers, Plants and Floral Designs
Ordered in Your Store Delivered
Promptly ANYWHERE at Home or
abroad.**

¶ The International Floral Service is now ready to contract for American memberships. Such membership will entitle any florist to prompt delivery of his order in any part of the world.

American Interstate Service

¶ An Interstate Service for America is now in process of organization; membership will be limited to a reputable florist in each locality. Those desiring membership may write at once to the address given below enclosing five good references as to **business integrity** and **not** financial standing. This is to insure promptness as well as to guarantee that full value will be given for every dollar received. We will not consider an application for territory without the above references.

European Connections

¶ ARE now contracted for and we are in a position to deliver flowers promptly in Canada, England, Germany, Ireland, Scotland, Austria, Hungary, Belgium, Denmark, France, Italy, Luxembourg, Netherlands, Norway, Sweden, Switzerland, China and Japan and other countries wherever there are florists

Publicity Campaign

¶ A Publicity Campaign will shortly be inaugurated for the purpose of advising the public that this Interstate Floral Service is at their command and that through this means they may have prompt deliveries anywhere in the world, through orders to their local florist, for any occasion where flowers are desired.

INTERNATIONAL FLORAL ASSOCIATION

1328 Broadway, New York City

(PHILADELPHIA SECTION)

Why You Should Buy in Philadelphia

SHORT ACCOUNT OF HER PROGRESSIVE FIRMS—ALL STRONG SUPPORTERS OF THE S. A. F.
—AND THEIR ENTICING OFFERS OF SEASONABLE AND UP-TO-DATE HORTICULTURAL PRODUCTS

HORTICULTURE was greatly pleased with the cordial way in which the trade in Philadelphia supported the special section for that locality last year, in reading matter and advertising, and therefore feels justified in devoting a liberal part of its pages again this year to that important centre of the horticultural interests of the country. We quote from our last year's introductory as follows:

"Philadelphia is conspicuous in the florists' trade first in its loyalty to the Society of American Florists, unswerving from the day of the Society's birth to the present twenty-fifth anniversary. In the second annual report of the Society almost one-half of the recorded membership was from Pennsylvania. Second, the many important horticultural firms in that neighborhood who do a continental—many of them a world wide business with the trade—and who have been large factors in the development of the present high standing of our profession as compared with what it was a quarter of a century ago. Third, the extensive offerings these firms present in this issue of up-to-date horticultural products which every florist in the country is interested in. It is another demonstration that the Philadelphians are not slow in putting their best foot forward, and they deserve all that is coming to them. We have pleasure in noting herewith some salient features of a few of these concerns a perusal of which will, we believe, speedily emphasize the points referred to."

JOSEPH HEACOCK CO.—Founded in 1875 by Joseph Heacock, the present head of the corporation. From a small beginning of two 12x80 houses, heated through flues and utilized for the production of bedding plants mostly, the concern has grown until it now has 90,000 sq. ft. glass area at Wyncote and 33,000 thousand at Edgewood. About 1880, the bedding plant era was out-grown and carnations were more the feature. This continued to about 1888, when quite a large addition was made and other crops undertaken. Nearly every year since then, there has been a new house or two going up, or some old ones being modernized. American Beauty roses became a specialty. So did other roses and so did palms. Today the Heacock establishment is recognized as one of the leading palm and rose emporiums in the country—the former for plants, the latter for cut. American Beauty rose is not now so strong a feature here as it used to be when the leading prizes of the country were gathered under the Heacock banner. The pro-

duction of that universal favorite became so immense that commercial prudence called for a change and to-day Killarney, My Maryland and other roses of that type are given more attention. Another great specialty here is the orchid. Anywhere from twenty-five to fifty thousand dollars would be a moderate estimate on the amount invested in this line. *Cattleya Trianae*, *Mossiae*, *labiata*, *Gaskelliana*, *Schroederae*, *Harrisonii* and *gigas*, *Oncidium varicosum* and *splendens*, *Dendrobium*

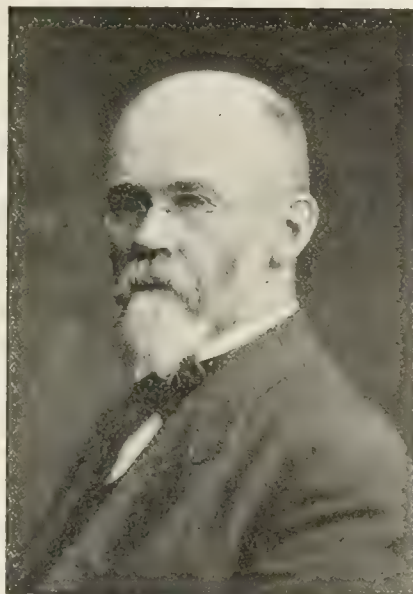
than the public are educated up to absorb them there will be disaster. But if the new movement is widely distributed and not too concentrated in any one market, it would seem that the situation is hopeful rather than the reverse.

The Heacock plant at Edgewood is on a level (as the old idea of a hill-side slope—as at Wyncote—is now generally discredited) and is so planned as to be capable of extension—the heating arrangements being on a scale indicating large developments in the near future. White and pink Killarney roses are the principal crops there at present. Robert Jamison is in charge and has had good success so far.

The palms at Wyncote this year are in grand shape and in all sizes from thumbs to specimens eight feet high. Some palm seeds have been in the seed beds three years and are still sprouting. A lot of 125,000 seeds are on the way from Australia now and are expected to arrive in a week or two. Beds all ready for them, apparently. That ever popular fern, *Cibotium Schiedeii*, finds the demand growing all the time and the great difficulty is to propagate fast enough.

Dorothy Gordon carnation, originating here, has come to stay. An immense space is devoted to it for next season's cut, and at present writing field-grown surplus is almost all booked. There may be some in the hands of the growers, but here the bookings have about reached the limit.

Mr. Heacock is president of the Florists' Club of Philadelphia this year (the pioneer club of America) and his portrait fittingly adorns the initial page of this Philadelphia section.



JOSEPH HEACOCK

President Florists' Club of Philadelphia and a Celebrated Palm and Rose Grower.

formosum, and *Cypripediums* are the most conspicuous items grown. The opinion is expressed that the orchid, too, like the American Beauty, is in danger of being overdone and brought by competition down to a point where the price realized will not cover the cost of production. Perhaps this may be a well-founded fear; but it is hoped the demand may be so stimulated that a vastly larger amount can be absorbed by the market than is now thought possible. Such affairs as the recent show in Boston, and other agencies are it seems to us, bound to greatly enlarge the market and we feel that the anxiety of the present commercial grower is more pronounced than the situation warrants. Of course if everybody goes into orchids quicker

DUNN, STEER & CO.—(Nee Jno. Dunn, Jr., & Co., mentioned in our last year's convention number). E. B. Morris, Jr., who has been with the firm for the past six years, has been taken into partnership, and the title changed as noted. Mr. Steer had already been a partner for some time. The company has moved from the Bourse to more commodious quarters in the Brown Building, 4th and Chestnut streets. This is one of the leading firms of customhouse brokers, established 1902, by John Dunn. They do nearly eighty per cent of the horticultural brokerage of the port of Philadelphia—which tells the story better than any words of ours. Mr. Dunn continues the active head of the firm and is to be congratulated on well deserved success.

THE LEO NIESSEN CO.

WHOLESALE FLORISTS

PHILADELPHIA, PA.

A FEW REMARKS ABOUT OUR BUSINESS

Our Business—

Selling at wholesale:—Cut flowers, greens of every description, plants, and miscellaneous other stock needed by the retailer and grower—that is our business exclusively.

Our Goods—

In quality and variety the best we can obtain, and always good value at the price.

Our Facilities—

In our particular line—as good as you will find in Philadelphia. We are always in line for improvements. When our present plans are completed, our facilities will be increased threefold.

Our Reputation—

We are proud of it.

Our Future Aims—

To continue along these lines, to take advantage of every opportunity to improve our service.

Those That Know Our Business Methods Have Profited By Their Knowledge. If Retailer or Grower, it Would No Doubt be of Interest to You To Get in Touch With Us.

LEO NIESSEN CO.: The steady growth of this firm is well known to all who are familiar with the cut flower commission business. Although a corporation, the business is conducted solely by Messrs. Leo Niessen, president, and Arthur A. Niessen, secretary and treasurer. From a most humble beginning their business has grown to such proportions that today it is considered one of the largest of its kind. By no means are they satisfied with what they have accomplished in their particular line, and their progressive spirit can readily be seen by the plans which are now under way, which will increase their facilities three-fold. A new building is to be erected, almost in the heart of the city, which when completed, will rival any establishment of its kind in the country. It will have every possible advantage, such as a central location, up-to-date equipment, an abundance of daylight, and—what would seem most essential—the kind of management that insures continued growth and more success in the future. Unless the business principles of this firm are correct and of a high standard, it would have been impossible for them to have accomplished what they have.

BERGER BROS.—This firm, composed of Harry and John Berger, was established in the wholesale flower commission business in 1904, at 1220 Filbert street. They had been well

trained to the florist trade before this, having been associated with their father, William Berger of Germantown. Their business has been a success from the start and they are looked upon as one of the most promising of the younger firms who have lately entered the ranks.

EDWARD REID.

—This gentleman holds an honorable position among the wholesale flower distributors. He is recognized as one of the largest handlers of violets and orchids. Last Easter he handled over half a million violets. The business in orchids has been growing amazingly and these are now being shipped all over the country. One of the secrets of the success of this business is the close personal supervision that is given to every order.



ROBERT CRAIG CO.—One of the first things a visitor to Philadelphia thinks of when he arrives is—where can I get some breakfast—and of course he thinks of Dooner's (Dooner will have to give your scribe three buttermilks for this), and after the finger glass and the napkin are put away—where's the car for Craig's? Twenty minutes by subway brings him to the genial Robert, and he spends a delectable two hours listening and seeing.

Here are the latest and best in the world. If any house in the world can beat this establishment on crotons or cyclamens or Lorraines they had better step up and talk to Robert, Jr., sleeves rolled up. Also if they think they can get away without buying something they had better forget it.

Thirty thousand poinsettias for Christmas—mostly in pots; also a house for cut—so as to keep the stock up. The latter remark will be fully understood by growers. A house of *Todaoides* fern. Now, why so many of a fern like that? It's not even mentioned in Dreer's—and they are considered among the greatest fern experts in the country. We leave the elucidation to some of the laggards who don't advertise.

Says young Robert: "Look at that house of young crotons. Aren't they fine? Last year, at this time, we were doing five thousand a month; this year we are doing ten; there seems no limit to it." The croton is a great plant and Craig is its prophet, priest and king. They have a new dark-leaved one just developed; they call it the Jack Johnson. We were not informed whether it was a sport or merely a case of antagonistic symbiosis.

They think here that *Nephrolepis compacta elegantissima* is a fine thing, and have a big lot of it in all sizes. This, if we are not mistaken, is one of the many good things for which we have to thank our friend, F. R. Pierson, of Tarrytown. They like *Schoelzeli*, too—which is a Dreer pet. As for the *Harrissi* form of *Nephrolepis*—

PACKING — AND — QUALITY

An important feature in all out of town shipments is

PACKING

We Know How, and can supply everything seasonable in

CUT FLOWERS

This feature and

QUALITY

Accounts for our success in the wholesale cut flower business.

EDWARD REID

1526 Ranstead St.,

PHILADELPHIA, PA.

BUYER AS WELL AS SELLER

Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your orders or consignments to us and judge.

BERGER BROS.,

Wholesale Florists

1305 Filbert St.,

PHILADELPHIA

DUNN, STEER & CO.

Customs Brokers and
Forwarders of Plants and Bulbs

TO ALL PARTS OF THE COUNTRY

Brown Building,
4th & Chestnut St., PHILADELPHIA

no good! except in big sizes—sevens and eights—then all right. Yes, put that down, Harrissi is all right in a big plant.

Bye and bye we come to more houses of crotons, and find many shifted from fours into six-inch half-pots—a compromise between a pot and a pan. Genistas and araucarias and regular stock like that pass in rapid review, like fields of wheat. Necessary propositions but not inspiring. Even the ginger jar is unable to start up a new thought on these. And Pandurata rubbers! Acres of this, the greatest find Craig ever made and the biggest money-maker.

Two or three houses of Areca lutescens. We thought Kentia had Areca wiped up and swept into oblivion with Latania borbonica years ago. But apparently there is a good call for it—especially south, where it does well.

Do you know anything about Draecena Massangeana? You all know fragrans, of course. One of the toughest things ever, as a house plant. Massangeana is simply fragrans with a creamy band through the center of the leaf, and Lindeni is similarly variegated but the stripes are more distributed over the leaf and on the edge.

Forty thousand cyclamens under slats, and a few houses of them further advanced. Christmas and Easter come-on's. We were unable to pick any flaws, which grieved us!

By this time, we were all "het up" as they say in Kokomo, and impatient to get to the next place. So you will excuse us for the brevity of this passing glimpse. Put Craig's down as one of the good places—"where and why you should buy in Philadelphia."

PENNOCK-MEEHAN CO. — This wholesale commission house had its initial start in 1881, by Charles E. Pennock, now deceased, at 30 South 16th street. In 1889 the firm became C. E. and S. S. Pennock. Charles E. Pen-



SAMUEL S. PENNOCK

nock died in 1891, and the firm became Samuel S. Pennock. In 1892 the store was located at rear of 42 South 16th street. In 1895, were bought the two dwelling houses, 1612 and 1614 Ludlow street, the nucleus of the present Pen-

nock Building in which the Pennock-Meehan Co. is located. Other purchases were made in 1898, 1899 and 1900. In 1906, consolidated with Charles E. Meehan (who controlled and practically owned the Philadelphia Wholesale Flower Market Co.) under the title of the S. S. Pennock-Meehan Co. The present officers of the company are: Samuel S. Pennock, president; Charles E. Meehan, vice-president; Percy B. Rigby, treasurer, and E. J. Fancourt, secretary. Mr. Pennock installed a cold storage plant in 1901, being the first wholesale house to do this. In 1903, a ribbon and supply department was started, in charge of E. J. Fancourt, and through his energy and ability has grown until it is now recognized as headquarters for florists' ribbons the country over. The Pennock Building was designed and built specially with a view of conducting a wholesale cut-flower and supply business. The ice-making machinery is operated by electric power and is capable of producing six tons of ice daily. Owing to the new methods of storing the cold air, the machinery can be shut down for six hours or more at a time and still retain the required temperature. The plant is divided off into sections so that the expansion and contraction of business can be handled without waste; 19,000 cubic feet of cool natural storage in the basement is an adjunct to the regular cold storage facilities. This latter is dust-proof and some flowers are often better here than under regular cold storage conditions. The main floor has an area of over 6,000 sq. ft., and here the receiving, grading, selling and shipping of flow-

AN INVITATION

Messrs. H. Bayersdorfer & Co. request the honor of your presence at the opening of their magnificent Exhibit at the Convention of the Society of American Florists in Convention Hall, Rochester, N. Y., Tuesday Morning, August 16, 1910.

This exhibit will comprise staple florist supplies of Bayersdorfer standard in addition to an unusual number of meritorious novelties gathered in Europe and in America. It will undoubtedly excel all previous exhibits, affording the rare opportunity for examination and comparison.

H. BAYERSDORFER & CO.
R. S. V. P. 1129 Arch Street, PHILA., PA.

ers is constantly going on, and during the busy seasons, such as Christmas and Easter, business goes on night and day. The following remarks made by us in our 1907 convention number, on the Pennock-Meehan Co., will bear repetition here:

The mere mention of the names which go to make up the name of this company suggests the thought of sterling business integrity and conservative horticultural stability, for no two names are more closely linked with the best ideals in Philadelphia horticulture for the past half-century than are these. The establishment is a good example of the possibilities in the wholesale florist business under wise progressive policies. Visitors to Philadelphia will find in its equipment much that is interesting and instructive.

H. BAYERSDORFER & CO.—In this big, wide-awake florists' supply house is presented an example of what proportions it is possible to reach through adherence to a policy of persistent publicity and enterprise. This house has been a regular and very extensive exhibitor at every trade exhibition of the S. A. F. So well have they followed up their exhibition publicity and their liberal trade paper advertising by travel and personal attention that the two gentlemen who constitute this firm, Harry Bayersdorfer and Paul Berkowitz, and their faithful traveling representatives, Martin Reukauf, Stephen Green and Sydney Bayersdorfer, are individually and intimately known in every community where the florist trade has a footing from the Atlantic to the Pacific. Once a year Mr. Bayersdorfer makes a pilgrimage to Europe and nothing of value to the American trade escapes his eagle eye. When you speak of Bayersdorfer & Co., you think of Philadelphia.

HENRY F. MICHELL CO.—Someone has well said that "it takes brains, and pluck, and foresight, and perseverance, and capital, to establish a business and keep it moving successward." The writer can point to no better example of these prime requisites which spell success than that of the Henry F. Michell Co., Philadelphia's popular seed house.

Just twenty-one years ago Henry F.

Michell, the president of this firm began his business career at 1018 Market street—succeeding W. H. Smith. Previous to that he had been for seventeen years with an older Philadelphia seed house, worked up to a foremost position, formed the acquaintance of the trade, and saved enough money to buy the stock, lease and good will of the Smith business.

1018 Market street was only a small, three-and-a-half story affair then, lowly and unattractive. For the first five years it was a heart-breaking struggle.



HENRY F. MICHELL

The years of experience, the high characteristics of its founders, the whole-hearted industry, all were soon brought into play in developing the business. The force of employees soon doubled and then quadrupled—the building was improved and enlarged, and a steady trade was soon established which has been rapidly growing ever since.

In 1890 the genial Frederick J. Michell, a brother of the founder, was admitted to partnership, and in 1905 the firm became a corporation, all of the stock being in the Michell family. Three years ago the famous Tower Hall property at 518 Market street (formerly occupied by John Wanamaker) was purchased and a second store

opened there in the following fall. Within the past two years twenty-four acres of fine land was purchased near Torresdale, Pa., where modern trial grounds and nurseries have been established. Although able managers of departments have been secured and every department has been thoroughly systematized, the two heads of this house are working just as long and as hard as they did twenty-one years ago, giving personal attention to every important detail.

Naturally all wants for the greenhouse, garden, lawn, orchard, etc., are supplied here, but there's one special branch in which the house of Michell is known to excel—that of supplying the florist trade. Florists are necessarily exacting. The initial price of a packet of flower seeds or a case of bulbs is a small matter when the final results are to be reckoned. The Michell firm has always been thoroughly alive to this, has ever striven to give quality first place, and the fact that this house does one of the very largest businesses in the country, among the florists, is ample vindication of the wisdom of this policy.

The public parks of Philadelphia, Baltimore, and numerous other large cities are annually supplied with bulbs and seeds by this firm. They have again been awarded the bulb contracts for the State Capitol grounds at Harrisburg, Pa., and also for the White House and other government grounds at Washington, D. C., while their local and counter trade among the private gardeners and suburban residents is admitted to be one of the largest in the country.

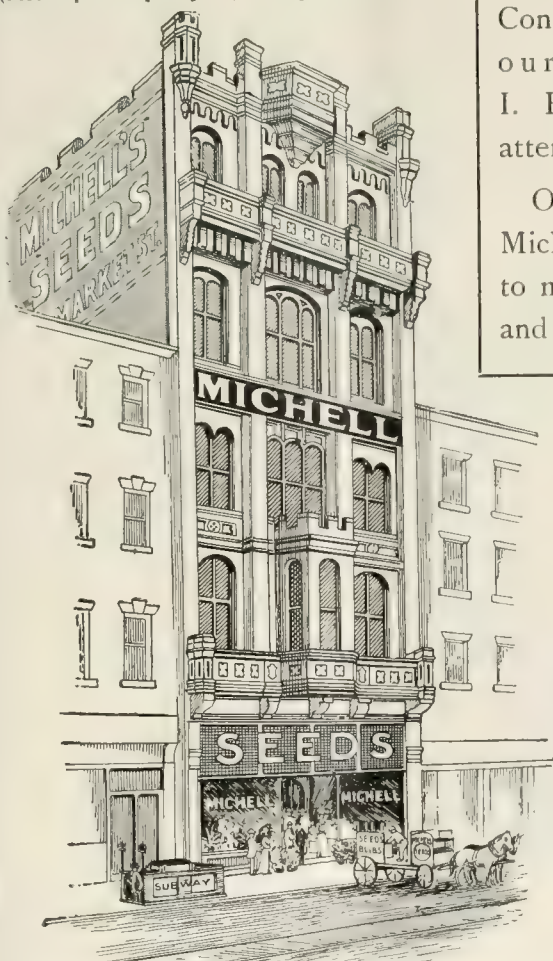
HENRY A. DREER, INC.—Under the escort of Mr. Harry Sim, we recently had the pleasure of examining the tests of the very latest additions to the list of hardy phloxes alongside the older standard varieties, and of listening to the comments of this recognized expert in hardy perennials.

The Phloxes.

Among the newer ones, Frau Anton Ruchner, impressed us as one of the best. It is pure white with an immense truss; and is of very dwarf habit. Elizabeth Campbell, another new one, is the nearest approach yet to a salmon pink, and gives a much wanted new shade—with growth, freedom and foliage of a high order also. To complete this trio of new and good:



MICHELL'S SEED HOUSE
At 1018 Market St., Philadelphia
(Floor Space Capacity 21,000 Square Feet)



MICHELL'S ADDITIONAL ESTABLISHMENT
At 518 Market St.

(Floor Space Capacity 38,000 Square Feet.)
Pronounced by Visitors as the most Complete Seed Establishment in the United States.

MICHELL'S SEEDS and BULBS

Can always be relied upon to give satisfaction.

Don't fail to look for Michell's Exhibit in the Convention Hall, where our Representative I. Rosnosky will be in attendance.

Our Mr. Frederick J. Michell will also be about to meet our many friends and customers.



FREDERICK J. MICHELL, Sr.

Please ask for a Complete Wholesale Catalogue of Seeds, Bulbs and other needs for the florist.

Our Customers have proven to be our best advertisers.

Henry F. Michell Co.

1018 and 518 Market St., Philadelphia

We Solicit Your Patronage

We'll Help You Make Your Palm Department Pay.

Many florists neglect their Palm business because they think that other lines pay better. If you think that, we would like a chance to **prove** to you, by the experience and testimony of scores of our customers who have had long experience with Palms, and who therefore **know**, that few other departments of the retail florist's business can be made to show a steadier and more satisfactory profit than this one.

It's absolutely necessary, though, that you sell first-class stock, and this we are prepared to supply. Our Palms are all home-grown and are clean, vigorous and thrifty. We supply them in practically all the standard sizes and our prices are no higher than you would pay elsewhere as the following list will show.

Our interest in our customers doesn't end with the filling of an order, either; florists who want to build up a better Palm business will find many helpful suggestions in our summer booklet, just off the press, which contains, also, our price list for the coming season.

We want **you** to have a copy of this booklet—we know it will interest you and help your Palm business. Drop us a postal **now** and we will see that a copy comes to you by next mail.

And, as decisive proof, why not let us have a trial order, if you're not already acquainted with "Heacock Quality"? Here are our prices; your instructions will have our best attention and the Palms will be shipped without delay.

ARECA LUTESCENS.

Pot.	Plants in pot.	In. high.	Each.
6-in.	3	26 to 28.	\$1.00
7-in.	3	30 to 32.	2.00
8-in.	3	36 "	2.50
8-in.	3	42 "	3.00

COCOS WEDDELIANA.

Pot.	In. high.	Per 100.
2½-in.	8 to 10.	\$10.00
2½-in.	10 to 12.	15.00

KENTIA BELMOREANA.

Pot.	L'ves.	In. high.	Doz.	100
5-in.	6 to 7	18	..	\$6.00 \$50.00
				Each. Doz.
6-in.	6 to 7	22 to 24.	1.00	12.00
6-in.	6 to 7	24 to 26.	1.25	15.00
6-in.	6 to 7	26 to 28.	1.50	18.00
Tub or pot.				
7-in.	6 to 7	34 to 36.	2.50	30.00
7-in.	6 to 7	36 to 38.	3.00	
7-in.	6 to 7	40 to 45.	4.00	
Tub.				Each.
9-in.	6 to 7	42 to 48 v'y h'vy.	\$5.00	
9-in.	6 to 7	48 to 54 "	6.00	
9-in.	6 to 7	5 ft. "	8.00	

KENTIA FORSTERIANA.

Pot.	L'ves.	In. high.	Each.	Doz.
6-in.	5 to 6	28 to 30.	\$1.00	\$12.00
6-in.	6	34 to 36.	1.50	18.00



MADE-UP KENTIA FORSTERIANA.

Tub or Pot.	Plants in pots.	In. high.	Each.
7-in.	4	36	..\$2.50
7-in.	4	36 to 40.	3.00
Tub or Plants in tubs.			
9-in.	4	42 to 48.	\$5.00
9-in.	4	4 ft., heavy.	6.00
12-in.	4	6 ft.,	15.00

CIBOTIUM SCHIEDEI.

Ready in September. Stock Limited.

Tub.	Spread.	Each.
9-in.	4 to 5 ft.	\$6.00
9-in.	6 ft.	7.50

PHOENIX ROEBELENI.

Pot.	5-in. nicely characterized.	Each.
6-in.	"	1.50
7-in.	"	2.00

"When in Philadelphia be sure to look us up."

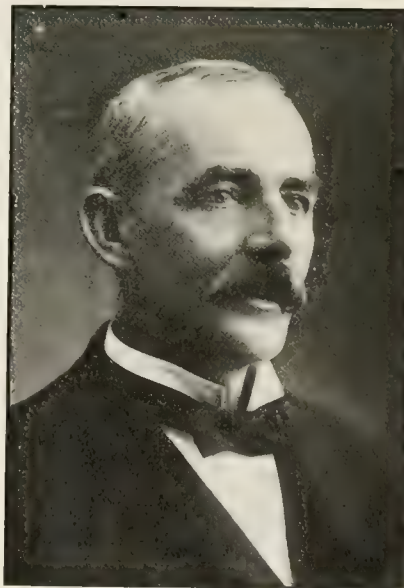
JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Rosenberg is perhaps the choicest. It is a bright red with darker eye, and produces a fine large truss, the individual flowers of which are much above the average.

Among the older varieties that stood out conspicuously in the trials, we noted especially: Selma, delicate pink with crimson eye; Mrs. Jenkins, white with immense trusses and of very uniform habit and a free bloomer; considered one of the finest for massing. Siebold, is an improvement on the well known Coquelicot, and is decidedly brighter and better as to growth than that older and deservedly popular scarlet. Albion is a Dreer introduction and a good one; while classed among the whites, it has under some conditions a cast of lavender in general tone effect. It is a strong grower and has fine large trusses. R. P. Struthers, deep rose with darker eye, appeals to us as far superior to another of nearly the same shade—General Van Heutsz—planted alongside. Aglae Adanson is a fine dark-leaved sort; snow white with dark eye; of excellent size and fine form. Eclairer is old but still one of the best in its color—magenta. It is of medium height; very free and full. H. O. Wigers is another white and resembles Aglae Adanson; it is semi-dwarf with crimson eye. Champs Elysees, is a good one also and is in the same class as Eclairer—a good dwarf magenta, and a thrifty bloomer. Vesuvius, a good red one; pure bright color, with purple eye and producing a dazzling effect in the mass.

The foregoing, of course, are only a few of the most outstanding—appealing to us—in a hurried visit, and do not by any means include all the meri-

torious sorts among the hundreds to be seen. Some good ones were not yet in bloom at the date of our visit, and others were perhaps not at their best. One visit never tells the whole story about anything. But our impressions



J. D. EISELE

from time to time are valuable—if carefully noted by our readers.

The Petunias.

We have told you something of the phloxes. The next blaze of glory in mid-July here is the petunia! No one

can leave this beautiful experimental school garden at this date without taking a look at the acres of petunias in bloom. Truly, a most inspiring sight! Each plant tended like a prize baby. Many of them with red flag stakes, the red flag meaning: reserved for seed bearing. Mr. Betz is the petunia expert. They may have petunia experts outside of the United States (like Hender, et al.), but we think we speak with knowledge when we say their best is all known to Mr. Betz, and is included in his Dreer specials.

Other Specialties.

We saw a lot of lovely things in good shape besides those mentioned: Monardas, Achillea Bouille de Argent, (a good one for cutting), lovely hardy pinks, zinnias, armerias, callirhoes, hemerocallis, hardy ferns, water lilies, and last but not least, the splendid experimental rose garden with its hundreds of varieties under outdoor test—many of them unknown to the world as yet. Is it any wonder that Riverton is the mecca of flower lovers wherever they can get an afternoon off? We glory in it, ourselves, and wish we could go there three hundred and sixty-five days in the year, instead of now and then.

The Combination.

And herewith, ladies and gentlemen, allow us to present you this year with a picture of the presiding genius of this great Riverton establishment of Dreer's—J. D. Eisele. Mr. Eisele is modest and says Mr. Dreer did it all; Mr. Dreer is modest, and says Mr. Eisele did it all. Anyway, we all will agree that the two are a magnificent combination.



ASTERS—A representative summer flower on which we are always strong.

Pennock-Meehan Progress



WE have heard many doleful prophets enlarging on the decadent condition of the cut flower markets of the world in recent years.

Far from sharing the sentiments of these faint hearts we are thoroughly convinced that the possibilities of the flower trade have only been scratched as yet.

In our twenty-five years earnest endeavor to forward the business we have gone from milestone to milestone of progress and seen the business grow from nothing to its present enormous proportions. So that it seems to us, we are as yet only on the threshold of bigger and better things.

In the coming enlargement we expect to play just as important a part as heretofore and trust for the warm co-operation of our friends in widening the scope and activities of the business.

Philadelphia has not become the great cut flower center it is without individuality back of the record.


As a further evidence of Pennock-Meehan progress we opened a new wholesale establishment a year and a half ago in

Washington, D. C.

which has proved of great advantage; and has encouraged us to still further extend our facilities and we will in September, open another establishment in

New York City

at 109 West 28th Street, in the heart of the wholesale district for the further extension of the wholesale trade.

 **Send for Our Weekly Price Current.**

The ROCHESTER CONVENTION

promises to be one of the best ever held. Our exhibit will help make it so. Some splendid novelties 1910 and 1911 offerings. Look the PM banner up and there you will find our Mr. Fancourt and his assistants.

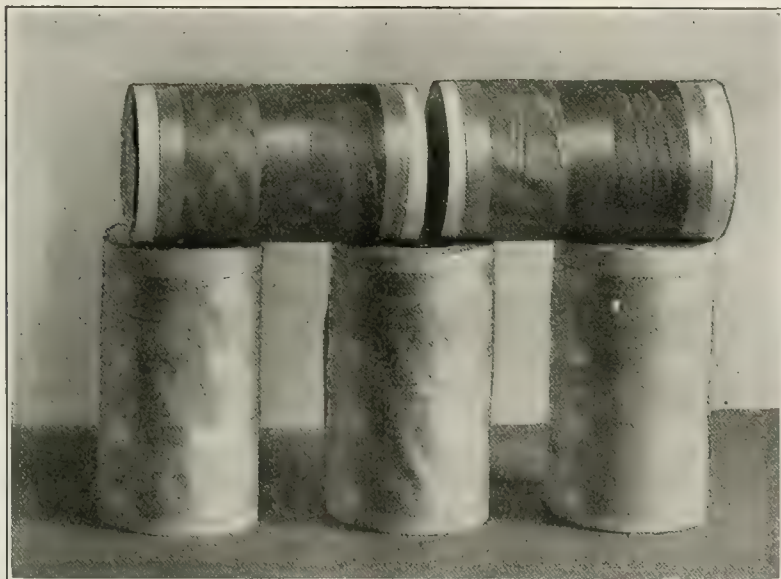
S. S. PENNOCK - MEEHAN CO.
The WHOLESALE FLORISTS OF Philadelphia
 1608-1620 Ludlow St. Store closes 6 p. m.

Washington Store, 1212 New York Ave.

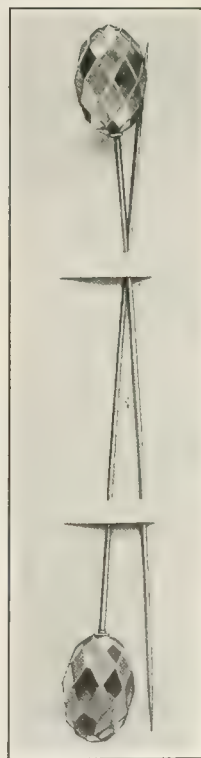
New York Store, 109 W. 28th St.



Send for Copy of Our Illustrated Catalogue.



RIBBONS—A sample illustration.



PINS—The finest assortment in the country.

Burpee's California Seed Farm

We are indebted to Edwin Lonsdale, superintendent at Floradale, for the accompanying view of that interesting spot. Mr. Lonsdale says Floradale has already assumed the honor of being the show place of its locality. Residents, real estate men, auto visitors, and all kinds of strangers are constantly calling. There has been no rain since Easter, yet the way things have grown and are still growing is surprising.

The sweet peas are about done where they are planted for seed; but where they are growing in gardens and watered, they are still blooming freely. Petunias, verbenas, geraniums and many other things live out all winter in this favored locality. The Fordhook fancy double fringed petunia reaches most remarkable perfection.

Mr. Lonsdale comments on an article entitled, "A visit to Fordhook



Part of The Sweet Peas at Floradale.

beauty and refinement of form it seemed to have lost some of the vigor of the grandiflora, and that it was a question as to how long it would take to bring it back to its original strength. Mr. Lonsdale had never heard that comment before on the Spencer, nor

a few of the hooded type—Agnes Johnston. These two were greenhouse-grown and perhaps may not be a fair criterion to go by; but they are no stronger than some Spencers growing alongside of them that had the same



W. ATLEE BURPEE

Farms," recently appearing in HORTICULTURE, which mentioned that the Spencer type of sweet peas appeared to be rather less enduring than the old-style flower, that with its added



The Lonsdale Home.

seen it in print. Mr. Stewart no doubt had opportunities of making comparisons when at Fordhook, whereas at Floradale, they grow only Spencers—outside of the variety St. George and



EDWIN LONSDALE

identical treatment. Some Asta Ohn Spencer, cut a week were still passable. Mr. Lonsdale admits that perhaps the climate of Lompoc may have something to do with the lasting quality—so perhaps this one instance proves nothing; but it is certainly an indication.

Elgin, Ill.—G. B. Dawes, manager of the Souster Greenhouses for the past 15 years, has resigned that position and will go into business for himself. Mr. Dawes has purchased two acres of land on Page avenue and will erect a new greenhouse, plans of which have been prepared by the Foley Mfg. Co. of Chicago. This house is to be 40 x 150 feet with concrete foundation.



Two Lompoc Beauties with Some Floradale Beauties.

New Spencer Sweet Pea—Ethel Roosevelt

ETHEL ROOSEVELT is undoubtedly the most meritorious of all the striped, flaked or mottled **Spencer** varieties now in cultivation. The vines are thrifty and the blooms come invariably in threes, and four to a stem in a well-grown piece are not hard to find. The individual flowers are of the largest size and most exquisite form. In color the flowers are of a combination difficult to describe. The ground color is an indescribable shade of cream white; the flakings and mottlings of rich delicate pink are such as to try the patience of the most experienced artist, if an attempt be made to copy in either oil or water colors. In this new **Spencer Sweet Pea** we have really the ideal for form and know that all who are interested in sweet peas must realize that beauty is not to be found only in the solid or self colors. There is among sweet pea enthusiasts a rather natural prejudice against striped, flaked or mottled varieties, but the color combination of **Ethel Roosevelt** is bound to attract attention wherever grown.

Three Other Superb Spencer Sweet Peas--

W. T. HUTCHINS

This is a fine, bold, true **Spencer** of most perfect form and coloring. The buds show a decided buff color. The fully expanded flower has the appearance of light apricot (distinctly lemon at the throat), overlaid with a beautiful blush pink. As the season advances the blush pink shading becomes rather more pronounced.

The vigorous vines flower most freely, the stems are long and carry well three or four fine flowers. Both standard and wings are wavy, ruffled and crinkled, of the most advanced **Spencer** type. The flowers are of the largest size, the standard measures two inches across by one and five-eighths inches deep.

MARIE CORELLI

The large flowers are brilliant rose-carmine or red and **uniformly of true Spencer form**. The wings are a pure rich rose-crimson, while the standard shows a tint of cherry-red. The whole effect is that of a brilliant crimson—clear, distinct and most beautiful. The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping.

The long strong stems usually bear four flowers each. The plant is of strong growth and very free flowering. **Marie Corelli** is a variety that belongs in all first dozen sets and will become one of our standard shades in **Spencers**.

SENATOR SPENCER

Although this variety belongs in the darker colored class, the lighter background gives a mass of the blooms a sort of heliotrope effect which is most attractive. The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope. It presents a beautiful combination of tints and shows up wonderfully well under close inspection, as the dainty detailed markings are most attractive. Is of the **true Spencer form**—wavy edges on both standard and wings—large, round, fluffy standard, long drooping wings. Both standard and wings are marked with the same colors and in the same way, with a trifle more of the wine shading in the wings. The stems are long and there are usually four good, large, finely formed flowers on each stem. **SENATOR** is the best dark striped variety. All the above three have proven satisfactory wherever grown.



New Spencer Sweet Pea—Ethel Roosevelt

For prices on the **Four Superb Spencers** described above write for special circular (ready in September) which will give also other illustrations, electrotypes of which will be supplied the trade at nominal prices.

We are "**Headquarters in America for Sweet Peas,**" and have produced this year superb true to name and type, stocks of all the best **Spencer** and **Grandiflora** varieties and shall be pleased to quote prices.

W. ALTEE BURPEE & CO.,

Philadelphia, Pa.

Some of the Newer Cannas

August 2 is rather early to get a line on some of the later-flowering varieties, but the freshness and early glory of most of them compensates. Piloted by that well known Dreer enthusiast, E. H. Michel, formerly of St. Louis, we had the pleasure of looking over forty acres of what may well be termed the acme of summer splendor in the floral kingdom and of listening to comments on the merits of the many new cannas clamoring for public favor—and of making comparisons with some of the older but still popular varieties. The following notes may, therefore, be taken as a brief synopsis of what Mr. Michel thinks rather than any dictum of your scribe.

Feuer Meer (Ocean of Fire) a magnificent new variety; fiery orange-red, medium sized flowers produced very freely and in big trusses. Flower stalks vigorous, standing up splendidly—yet its branching habit takes away any appearance of stiffness. The general effect of the flower en masse is exceedingly graceful and this strikes us as one of the most promising of newer sorts. We are not sure that our color sense is exact in saying "fiery orange-red." Perhaps fiery red would be nearer it. Dreer says it's a fiery scarlet.

Black Warrior; this looks like a good one also; very brilliant deep crimson; a "top-notcher" as to size and habit.

Rosea Gigantea; five inches in diameter; flattens out well so as to show its full breadth; very free flowering; the Dreer color expert, after consulting his Paris dictionary on color, pronounces this coral carmine. Magnificent as to size and producing its trusses with the greatest freedom.

Gladioflora; Mr. Michel condemned this one last year but now says that it improves on better acquaintance. The flowers are remarkably like a large-flowering gladiolus; crimson changing to carmine; irregularly gold lined on the margins of the petals. Would show up grandly in massing. Make a note of this last item.

Minnehaha; pale pink, fades lighter very agreeably; pink center to creamy edge. Dark foliage. Those previously mentioned are all green foliage, by the way.

Gustave Gumphre; golden yellow with a few light red sprinkles on lower petals; looks promising. A very vigorous grower.

Dr. Marcus; a perfect flower; darker than **Feuer Meer** and has dark instead of green foliage, a most distinct and excellent variety.

William Saunders; this is an extremely meritorious variety and is a great credit to the name and fame of

that distinguished horticulturist who during his life time worked long and arduously and intelligently for the progress of our profession. The flowers are brilliant crimson; nearly five inches across; splendid as to substance and durability. Dark leaved. Dwarf habit; uniform; very vigorous.

Ondine. Solid orange with a small gold margin; very distinct from **Madame Crozy**; we do not know enough about this yet to pass judgment. A canna must have something wonderful about it to get in the race nowadays. It's got to be like **Jimmie Birse's** tea—not only best; but superior to the very best.

Hungaria. This in some ways resembles the great **Rosea Grandiflora**. The tint is considerably lighter, however, and it has a yellow spathe. Looks like a good thing. We will report its progress from time to time, and note its good and bad points later on.

Black Beauty; this is not a wonder as to flower but, "glory be," the foliage! It's a "black beauty" surely and a great thing where dark effects are desired in massing. Wonderful bronze purple and splendid form and habit. All right in every way.

J. D. Eisele. Not a new one but, like its namesake, it wears well. It is one of the finest for massing. Bright crimson scarlet overlaid with orange.

Rubin. Brilliant velvety crimson; and this combined with its dark foliage makes it stand out very distinctively. Very free flowering. A rich glowing color unsurpassed by anything we have seen in the forty acres; medium-sized flowers but a good truss.

Cinnabar. Unique shade of yellow-orange. The plant also possesses merit, being of branching habit and stooling very freely.

President Meyer: Introduced seven or eight years ago. Color cherry and having a fine truss, produces a splendid effect in the mass. Those who have not already tried this well-tested variety should make a note of it.

Duke of Marlborough: Strikes us as almost the same shade as **Rubin**; deep crimson, fine trusses, and free flowering. Perhaps the individual flowers are a little larger than **Rubin**. Quite distinct, Mr. Michel says.

West Virginia. It is difficult to see any difference in this from the old favorite, **Souvenir d'Antoine Crozy**. Most will prefer to stick to the latter until the newer claimant proves some point of superiority.

J. H. Veitch; very similar to **Wm. Saunders**, but Mr. Michel's thinks it a better bloomer early in the season.

Dr. Robert Funcke. Don't think this one amounts to a whole lot.

Fuerst Bismarck. Not new but still a good one and holds a place.

Jean Tissot; holding its own as one of the best bedders.

Grand Chancellor Bulow; grand truss; solid crimson; the spikes borne well above the foliage.

Secrétaire Chabanne; this might be described as a very much improved **Pau. Marquant**. The color is brighter and deeper than in that old favorite. Some of the petals get decidedly pink after a day or so in strong sun. A good bedder.

Train time being near at hand we

had to break away and could only give a passing glance to many fine ones. Among the many, **Richard Wallace** stood out very prominently; it is a very large pure yellow and holds its flower up well. Messrs. Eisele, Sim, and Michel all think a great deal of this one. **Luray**, is still looming up as one of the best of the older pinks. Two lines of the dark King **Humbert** show up fine a quarter of a mile away; as does also a white streak in the distance which we are told is **Mont Blanc**. Three new ones of good promise are: **Mrs. Alfred Conard**, **Halley's Comet** and **Mephisto**.

There are something like five hundred thousand plants in this block. Lots more elsewhere. Worth going to see. August and September are the best months.

PROF. B. S. MACKINTOSH GOES TO PENNSYLVANIA STATE COLLEGE.

Professor R. S. Mackintosh, formerly professor of horticulture in Alabama, has accepted a position in the horticultural department of the Pennsylvania State College. His special work will be an investigation of the peach industry of that state. The horticultural work in Pennsylvania is developing very rapidly. At the present time there are ten professors and assistants in the department.

PHILADELPHIA NOTES.

The Philadelphia Clubs' train is 10 a. m.; not 10.30 a. m., Monday, Aug. 15th. The mover of the motion got it twisted and the error was not detected until after postals were mailed.

Charles Carson, a jobbing gardener well known to the older generation in the southwestern section of the city, died last week at an advanced age. He retired many years ago and the business was continued by his son, who now conducts same.

Robert Greenlaw, for twelve years with N. F. McCarthy & Co., of Boston, is now with Pennock-Meehan Co., and will represent them on the road. The New England states, Canada, and New York will be his principal territory. Mr. Greenlaw is a pushing salesman, with a genial personality, wide experience, and a first class record.

The Lord & Burnham Co. have secured the contract for a big palm house and two other greenhouses at the Baron de Hirsch School, at Woodbury, N. J. These will be used for educational purposes, and we understand a professor of horticulture has been engaged. The institution seems to be along the same lines as the National Farm School at Doylestown, Pa. D. T. Connor of Philadelphia helped his company in securing the contract.

John Waterer & Son, of Bagshot, Surrey, Eng., made a magnificent display of rhododendrons in their season at the Japan-British Exhibition in West London, which afforded great delight to throngs of visitors.

DREER'S CONVENTION MONTH SPECIALS

AN INVITATION

All florists attending the convention at Rochester are invited to inspect our exhibit there and also to stop off either going or coming and inspect our nurseries at Riverton, N. J. We assure you a cordial reception and believe that you will find the visit both pleasant and profitable.

PALMS, Our Leading Specialty

ARECA LUTESCENS.

A splendid lot of well-shaped plants, of good color.

2 1/4-in. pots, 1 plant in a pot, 85 cts. per doz.; \$6.00 per 100.	
6 " " 3 " " 28 to 30 inches high, \$1.00 each.	
7 " " 3 " " 36 " " 2.50 "	

COCOS WEDDELIANA.

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2 1/4-in. pots, 5 to 6 inches high, \$1.50 per doz.; \$10.00 per 100	
3 " " 8 to 10 " " 2.00 " 15.00 "	
5 " " 18 to 24 " " splendid plants, 75c. each	
7 " " 34 to 36 " " grand specimens, \$2.50 "	

KENTIA BELMOREANA.

	Per doz.	Per 100	Per 1000
2 1/4-in. pots, 4 leaves, 8 to 10 in. high..	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " " ..	2.00	15.00	140.00
6 " " 6 " 20 to 24 " " ..	1.00 each		
6 " " 6 to 7 " 26 to 28 " " ..	1.50 "		
Specimen plants, 9 to 10 feet high, in tubs, \$40 each.			



ARAUCARIAS

ARAUCARIA EXCELSA (Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

4-inch pots, 5 to 6 inches high, 2 tiers.....	\$0.30
5 " " 10 to 12 " " 3 " .....	.60
6 " " 13 to 15 " " 3 to 4 " .....	.75
6 " " 14 to 16 " " 4 "	1.00
7 " " 16 to 18 " " 4 "	1.25

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers.....	.75
6 " " 10 to 12 " " 3 "	1.00
7 " " 13 to 15 " " 4 "	1.50

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 8 inches high, 2 tiers.....	1.00
6 " " 10 to 12 " " 3 "	1.25
7 " " 12 to 14 " " 3 "	1.50

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

Our staff of travelers will be in attendance at the Rochester Convention and will be pleased to show you samples of the above and many other specialties which we will exhibit.

KENTIA FORSTERIANA.

Leaves.	In. high.	Per doz.	Per 100	Per 1000
2 1/4-inch pots, 4	8 to 10....	\$2.00	\$15.00	\$140.00
3 " " 5	12 to 15....	2.50	20.00	175.00
4 " " 5 to 6	15 to 18....	5.00	40.00	
6 " " 6	28 to 30....	1.00 each		
6 " " 6	34 to 36....	1.50 "		
8-inch tubs, 6 to 7	45 to 48....	5.00 "		
11 " " 6 to 7	84 to 90....	15.00 "		

The following are exceptionally heavy and valuable decorative plants.

14-inch tubs, 6 to 7 leaves, 7 to 7 1/2 feet high.....	\$25.00
15 " " 6 to 7 " 7 1/2 to 8 "	30.00
15 " " 6 to 7 " 8 to 8 1/2 "	35.00
16 " " 6 to 7 " 10 to 11 "	40.00
16 " " 6 to 7 " 11 to 12 "	50.00

KENTIA FORSTERIANA—MADE-UP PLANTS.

7-in. tubs, 3 plants in a tub, 36 inches high....	\$2.50 each
7 " " 3 " " 38 inches high.....	3.00 "
8 " " 3 " " 40 to 42 in. high....	4.00 "
8 " " 3 " " 42 to 45 in. high....	5.00 "
9 " " 3 " " 4 ft. high.....	6.00 "
9 " " 3 " " 4 1/2 ft. high.....	8.00 "
10 " " 3 " " 5 ft. high.....	10.00 "
12 " " 3 " " 5 1/2 ft. high.....	15.00 "
14 " " 3 " " 6 ft. high, heavy....	20.00 "
16 " " 3 " " 7 1/2 to 8 ft. high....	25.00 "

LIVISTONA ROTUNDIFOLIA.

We offer a fine lot of this desirable miniature Fan-Palm.

2 1/4-inch pots, \$1.50 per doz.; \$10.00 per 100.	
3 " " 2.00 " " 15.00 " "	
4 " " 3.50 " " 25.00 " "	
5 " " 6.00 " " (Nicely characterized.)	

PHOENIX RUPICOLA.

Good 6-inch pots.....	\$1.50 each
" 8 " tubs.....	2.50 "

PHOENIX ROEBELENI.

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer 3-in. pots, nicely characterized, \$3.50 per doz.; \$25.00 per 100.

4 " " .60 each.	
5 " " 1.25 each.	
6 " " 2.00 each.	

We also have a limited lot of handsome specimen plants in tubs, at \$35.00 and \$50.00 each.

FINE FERNS

NEPHROLEPIS GIATRASIL.

This variety, introduced last fall in a very limited way, has proven to be a gem, especially where a perfect specimen is desired in a small size. It will develop beautifully in a 3, 4 or 5 inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2 1/4-inch pots.

\$2.00 per dozen; \$12.00 per 100; \$100 per 1000.

MIXED FERNS FOR DISHES.

We have at all times a good supply of these.

2 1/4-inch pots, \$3.50 per 100; \$30 per 1000.

NEPHROLEPIS SCHOLZELI (Crested Scott Fern).

A sport from Scottii, possessing all the merits of that most popular variety, but with the pinnae sub-divided, giving it a neat crested appearance.

2 1/4-inch pots, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

ASPLENIUM NIDUS AVIS (The Bird-Nest Fern).

A nice thrifty lot in 3-inch pots, 30 cents each; \$3.00 per dozen. 4-inch pots, 40 cents each; \$4.00 per dozen. 6-inch pots, \$1.00 each.

FERNS IN FLATS.

These flats contain about two hundred plants each, only one variety being in a flat and we cannot supply less than a full flat of any one sort. Price, \$2.00 per flat.

Adiantum Cuneatum	Lomaria Ciliata
Aspidium Tsussimense	Cristata
Aspidium Tsussimense	Pteris Adiantoides
Cyrtomium Falcatum	Cretica Magnifica
" Fortunei	" Wimsetti
Lastrea Chrysoloba	" Ouwardi
" Aristata Variegata	" Wilsoni

H. A. DREER, Inc., 714 Chesnut St., Philadelphia, Pa.

Some New Things in Floral Requisites

As promised in a previous number of *HORTICULTURE*, we waylaid our genial and enterprising globe trotter, Moses Rice, recently, and persuaded him to give us a few items as to what the old and new world has to offer the florist profession in the way of artistic accessories for the year 1911.

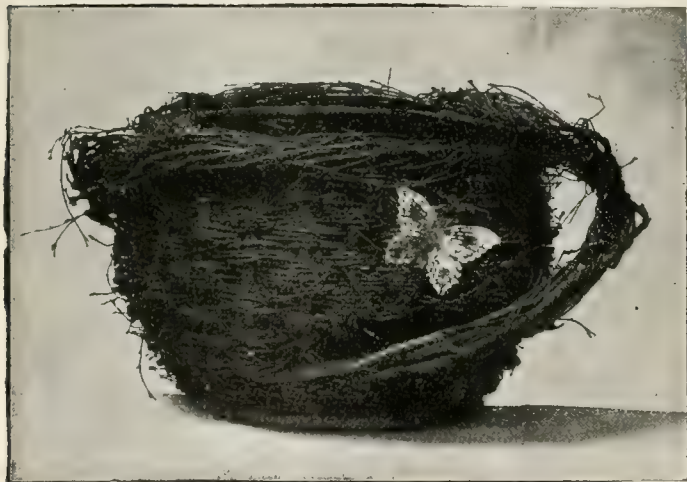
Had any of you thought of butterflies—butterflies as the finishing touch to the bouquet? Well, here they are, at low cost and in all colors—red, white, spotted, variegated, and in all sizes, from the little moth to the big-winged splendor, with a pin underneath to hold them in place. Applicable also to baskets and in many other ways that will occur to the artistic designer.

Miniature Panama hats are another little novelty that will appeal to many. Can be used for favors and also for cluster flowers in corsage bouquets.

Shields for corsage bouquets are

a baton-shaped head. Unique as to color and form.

Butterflies and Birds.



Twig Bowl.

difficult to describe. They are an artistic attempt to protect the dress and yet blend harmoniously and inconspicuously with the flowers. Some are made of paper, some of satin, but in every case they seem admirably adapted to serve their end. The colors are violet, white and pink. Violet is the best seller.

Lace bouquet holders are a French novelty. These are gathered at the insertion so as to give a full and graceful effect at the outside—wavy and pleasing and of light fluffy outline. The same proposition is also done in a line of chiffons, and the latter are certainly remarkably fine and quite unique and distinct from the lace patterns. The two ideas are a renaissance of the old-style bouquet holder shorn of its stiffness and meeting the more advanced artistic ideas of the present day. The chiffon folds droop so as to hide the mechanical work. Vienna furnishes but one novelty this year, but it is a good one, a new pattern of glass-head pin with

colors of silk in the weave. A most charming effect when folded in natural arranging, and an exact match for the difficult flower. Similar effects are in evidence for Richmond, Beauty, Liberty and Maryland. There are also the contrasting shades for the same varieties carefully studied out. An absolutely new item this year; chenille cord and tassel with a twisted appearance that makes same particularly attractive.

Bridal scarfs in Venetian lace and in many filmy and artistic patterns are among the slickest things and are sure to have a great run. Two yards long and varying in width from nine to twelve

inches. Not real lace, of course, but a wonder at the price.

More and more every year the florist finds he has to get next to what is going on in the world of fashion, and a large part of that is made up of dress (Sartor Resartus). So the florist's supply man, when he goes to London, Paris, Berlin or Vienna has to study the currents of the milinery maelstrom. One of the products of a mission of this nature is what is called a silver ribbon, a sort of gauze of heavy texture, two inches or less in width, that looks as if made of thin silver wire. It is good for clusters and many other kinds of floral work. Mr. Rice tells of one florist in a nearby city who took one hundred and fifty pieces of each of the three widths the minute the sample was shown to him.

There is an improvement on the elastic adjustable pot cover, the waterproof crepe paper in two colors which has been so popular of late. The new pattern is more artistically frilled, shows off the colors better and is said to be no higher in price.



Panama Hat.

See Our Exhibit at the Convention

We extend a cordial invitation
to convention delegates to
visit us — going or coming.

ROBERT CRAIG CO.

49th and Market Sts., Philadelphia, Pa.

MANY THINGS OF INTEREST

We may mention particularly: —

Ficus pandurata —
in grand shape.

Lorraine Begonias —
the largest and finest stock in the
country. Send for sample.

Cyclamen —
our famous strain. A large stock in
all sizes.

Otaheite Oranges. Crotons.

Gardenias. Dracaenas.

Nephrolepis —

Todaoides

Scottii

Compacta

Schoelzeli

Elegantissima improved

Areca —

a big lot of well-grown plants of this
scarce palm. All sizes.

Take Market Street trolley marked "53rd
and Market," to 49th — or the Subway to 52nd.

Will also be pleased to have you visit
our new place at NORWOOD, PA.
20 minutes from Broad Street Station.

Prepared natural ferns are bewildering in variety and coloring. There are many new things in this department. The wild asparagus sprays in natural green are favorites, but a new device is to tip them scarlet and violet for Christmas trade. *Ruscus* wreaths are treated the same way and make a novel showing.



B. ESCHNER
Of M. Rice & Co.

More trouble for the poor cyparissus grower. Some clever German has a new patented process and now you can't tell the preserved from the real thing. Flexible, soft and willowy, just the right shade, and last forever. Rice had to cable for more inside of two weeks from the time of the first arrival.

Waxed paper is now offered in a lovely "Moire effect." It looks to me like a watered silk pattern of, say, birds-eye maple cross grain or some such wood. Silver white, violet, moss green, Nile green, light blue, pink. Not a cheap piper but splendid for fine trade and a high-class novelty. Don't forget the parchment effect. I

was almost overlooking that—when called by the argus-eyed and argus-witted M. R.

More trouble for the flower grower—an improved poinsettia. This time it has the foliage with it and has other perfection touches. I get so mixed up in this business I hardly know which side of the fence I'm on, both sides being such good friends and all of them such good, honest fellows and following an honest business. One thing I can thank the good Lord for—the milliner can't put any fragrance into his American Beauty.

Last, but not least, in the galaxy of novelties for 1911 come the baskets, and all lands have contributed their quota. One of the best is an Ayrdale - terrier-looking production of natural birch twigs. Patterns in endless varieties—all of them charming. Gypsy baskets, fern boxes, Beauty baskets, carnation baskets, many of them with handles near the ceiling. Bridge designs, pot

holders, raffia conceits, in a bewildering array. One of the daintiest things in all this was a little lichen device made of gray moss-covered twigs. A little handle basket of gray and brown and inexpensive, which I fell quite in love with.

There were seen some excellent Swiss novelties in little butter tubs, water carriers, etc., in wooden ware, illustrated with a colored flower



Raffia Basket.

spray. The Italian baskets in pink, white and yellow in dainty and graceful weave make one think of a Venetian madrigal or a Neapolitan love song, they are so characteristic of the care-free joyousness of the light-hearted, song-loving, flower-loving people of the ancient sun-kissed peninsula. The whole collection is very gay and graceful and just the thing for weddings.



Italian Novelty Basket.



Moss Grown Pot Cover.

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be sown now. For the florist, our **Giant Cyclamen** is unsurpassed.

Giant Crimson **Giant Pink**
Giant White **Giant Blood Red**
Giant Excelsior White with claret base
Picturatum Pink with claret base **Giant Salmon**

Price per 1000 seeds \$10.00;
 100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 & 7 So. Market St., BOSTON, MASS.



CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF RAILROAD GARDENERS.

The fourth annual meeting of the American Association of Railroad Gardeners will be called at Crawford House, Boston, September 5th, at 10 a. m. An interesting three days' program has been arranged, and while our membership is limited to those connected with the gardening department of American railroads, our meetings are open, and our program is so broadside as to be of interest to all the gardening fraternity.

One feature of our work is to place competent men in vacancies and on new work, and it will be of advantage to any who desire to take up this class of gardening to get in touch with us.

Our association is young, having been organized only four or five years, but our membership now represents nearly all American railroads that have an organized gardening department. It is our desire this year to enlist the rest, and offer as an inducement a pleased constituency and all the advantages one might expect from such an organization.

Programs, by-laws, rates and other information will be furnished by the Secretary-Treasurer, J. S. Butterfield, Mo. Pac. Sys. Lee's Summit, Mo.

GEO. B. MOULDER, President.

YONKERS HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held in Wiggin's hall on Friday evening, Aug. 5. The com-

mittee on the June show reported a good substantial balance in hand after all expenses had been paid. The schedule for the fall show was read and adopted, and it is hoped to have the same printed soon. There are 67 classes in all. The committee reported that they had received a good number of prizes from different persons but were ready to receive more. Those already donated consist of silver cups, gold medals, and cash prizes.

Hamilton Scott was elected secretary to fill the vacancy caused by W. H. Waite's resigning. As Mr. Waite has been in poor health for some time he has gone on a trip to Scotland.

John Goff read a very able paper on Carnations. The next meeting will be held on the first Friday in September.

LEE WHITMAN, Cor. Sec.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club held their regular monthly meeting Thursday evening, August 4, at the Union Restaurant. A good crowd was in attendance. A. Garland, of Des Plaines; A. E. Wendland, of Elmhurst, and H. Yepson, Evanston, were elected members. A special committee consisting of Wm. Graff, John Heubner and I. C. Yarnell, was appointed to assist the regular committee in the arranging and decorating of the convention special train to Rochester on Monday. L. H. Vaughan, Geo. Asmus, E. F. Winterson, John Heubner, Wm. Graff, T. C. Yarnett and P. Olsem were chosen from the bowling teams to represent Chicago at Rochester.

ASTER SEED

While in Rochester at the Convention, look over our display of Cut Asters. Don't fail to visit our Aster farm and see our crop growing.

VICK & HILL CO., Rochester, N. Y.

See Our Display AT CONVENTION HALL Julius Roehrs Co.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

As we go to press the park superintendents are just coming to the close of their annual meeting, which opened at Harrisburg, Pa., on Tuesday, Aug. 9, and closes at Gettysburg tonight (Aug. 11). The meeting convened at 9.30 a. m., Tuesday, in the parlors of the Commonwealth Hotel. Secretary F. L. Mulford read the minutes and J. Horace McFarland was unanimously elected an honorary member. President W. S. Manning then addressed the meeting, speaking enthusiastically of the great park movement going on all over the country. In speaking of Harrisburg's progress in the development of city parks, Mr. Manning stated that the advancement has been very pronounced in the matter of appropriations, and for a city of its size it is well up with the others in maintaining a group of parks in which every individual should be interested. The eastern cities are far in the lead, he said, but the developments in the west are constantly growing.

As Mayor Meals had not arrived to accept his place on the program, William E. Bailey, of Harrisburg, addressed the convention, welcoming the delegates to the city in behalf of the Park Commission.

J. B. Shea, assistant superintendent of parks of Boston, responded and addressed the convention regarding the real work of park superintendents. He spoke of the estimation in which park superintendents are held by the average citizen, saying that they are pictured as easy-living creatures, whose chief and hardest work is riding about in the fresh air—in other words, "having an easy time of it." But he was certain that all other superintendents would agree with him that it was one hard piece of work and not easy in any respect.

In the afternoon the visitors enjoyed an auto tour of the parks and other places of interest.

The evening session was held at Reservoir Park and papers were presented by W. H. Dunn of Kansas City Parks on "The Latest Conclusions About Road Surfaces," and by J. Horace McFarland on "The Reason for Parks." Further details in our issue of next week.

The attendance was very gratifying, members being present from many important park centers from Omaha and Topeka on the west to Boston on the east and from Ottawa on the north to Washington, D. C., on the south.

ORCHIDS

We respectfully solicit your inspection of our exhibit of Orchids at the convention of the S. A. F. & O. H. in Rochester, N. Y., August 16-19. Our samples will comprise freshly imported and established Orchids of the most useful kinds.

LAGER & HURRELL
Summit, N. J.

Winter-Flowering BEGONIAS

Before ordering your supply of Winter-flowering Begonias, see J. A. Peterson's Trade Display at the S. A. F. Convention in Rochester, Aug. 16th to 19th. New Begonia Glory of Cincinnati, also Begonias Pres Taft, Gloire de Lorraine and Agatha. Also, New Dracaena 'Victoria.'

**WILL SEE YOU
AT THE FAIR...**

J. A. PETERSON
Cincinnati
Ohio

*In ordering goods please add "I saw
it in HORTICULTURE."*

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so; if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**

ORCHIDS

Cattleyas, Dendrobiums, Laelias,
and Odontoglossums

G. L. FREEMAN CO.
Fall River, Mass.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$2.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strain, 2½ in. pots, \$3 per 100, \$35 per 1000.
Cash with order.

FRANK O'CHSLIN
911 Quincy St., CHICAGO, ILL.

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

- 6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.
 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.
 9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of NEPHROLEPIS, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

A CORDIAL INVITATION

is extended to all local and visiting florists and their friends to COME AND SEE our fine collection of market plants of all kinds.

Our Boston Ferns, Pandanus, Crotons and Palms

are in first rate condition and we have a lot of young stock of all kinds that will interest you.

The Finest Stock in the West

FRANK OECHSLIN, 4911 Quincy St.,
Chicago, Illinois

ONE (Take Garfield Park "L" to 48th Ave. walk 5 blocks North,
 FARE \ or, Madison St. and 48th Ave. surface car.

FERNS

One of our Specialties is growing up to 8-inch and 10-inch for Vases, Baskets, etc. Our varieties include:

	2½-in.	3-in.	4-in.	5-in.
Bostons	\$5.00	\$10.00	\$15.00	\$25.00
Whitmani	7.50	15.00	25.00	50.00
Amerpohli	7.50	15.00	25.00	50.00
Scottii	7.50	15.00	25.00	50.00
Plumosus	3.50	8.00	15.00	25.00
Sprengerii	2.50	5.00	12.50	25.00
Maiden Hair.....	5.00	15.00	25.00	
Small Ferns	5.00			

	6-in.	7-in.	8-in.
Bostons	\$40.00	\$ 60.00	\$100.00
Whitmani	75.00	100.00	150.00
Amerpohli	75.00	100.00	150.00
Scottii	75.00	100.00	150.00
Plumosus	50.00	100.00	
Maiden Hair, Specimens 10-in. and up, \$2.50.			
Primroses, Chinese, Obconica and Forbesii,			
2½-in. \$5.00; 3-in. \$8.00 per 100.			
Cyclamen, 2½-in. \$5.00; 3-in. \$8.00 per 100.			
Celestial Peppers, 2½-in. \$2.50; 3-in. \$7.50			
Jerusalem Cherries, 2½-in. \$4.00; 3-in. \$8.00 per 100.			

Poinsettias, 2½-in. at \$6.00 per 100.
 Cinerarias, 2½-in. at \$5.00 per 100.
 Hydrangeas, 2½-in. \$5.00; 3-in. \$8.00; 4-in. \$12.50; 6-in. 50c., and 9-in. \$1.00.

Flowering Begonias, 3-in. at \$5.00 per 100.
 Rex Begonias, 2½-in. at \$5.00; 3-in. \$10.00; 4-in. \$25.00 per 100.

Fancy Caladiums, 4-in. at 25c. each.
 Araucarias, fine plants at \$1.00 each. A Special Bargain.

Extra good values in all kinds of ferns, Bostons, Whitmani, Amerpohli, Plumosus, Sprengerii and Maiden Hair.

Ask for Our Other Lists in Season

GEO. A. KUHL, Wholesale Grower, PEKIN, ILL.

PHOENIX ROEBELENI

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman
Hoboken, N. J.



AWAKE TO THE FACT

Do not procrastinate any longer. We are in possession of our **St. David's Island Harrisii Bulbs.** Our stock is limited.

	100	1000
Lilium Harrisii 5 to 7	\$5.00	\$45.00
“ “ 7 to 9	9.50	85.00

FRENCH BULBS

	100	1000
White Romans 11 to 12	\$2.25	\$20.00
“ “ 13 to 15	3.00	28.50
Paper Whites	1.25	9.00
Freesias, selected		6.50
“ Mammoth		9.00

WM. ELLIOTT & SONS, 42 Vesey St., New York

LENOX HORTICULTURAL SOCIETY.

The annual show of perennials and hardy annuals was held in the Town Hall, Lenox, Mass., the 28th of July. Although the entries fell rather short of last year, the high standard of all the exhibits was fully maintained, especially so in sweet peas, the display of these being something of a National sweet pea show, smaller only in number of exhibits, but not in up-to-date varieties or in excellence of blooms.

The winner of the big class came from the High Lawn House Gardens, gard. G. Foulsham; but this exhibit wanted no judging; it stood out by itself, length of stems, purity of colors, and in fact, all the points that go with a winner. The varieties were Florence Morse Spencer, Miss Wilmott, F. Dolby, John Ingham, Tennant Spencer, Othello, E. J. Castle, Helen Lewes, Helen Pierce, Queen Alexandra, Countess Spencer and Lord Nelson. Another display (not for competition) which was one of the features of the show, was a collection of 34 varieties from Mrs. J. Sloane, gard. A. J. Loveless. They were arranged with much taste in low bowls and showed their beauty to a full advantage. Mr. Loveless was awarded a diploma of merit.

The hardy perennials staged by Mrs. J. E. Parsons, gard. R. Spear, and W. D. Sloane, gard. F. Heeremans, would be hard to beat anywhere. The same may be said of the annuals; they were 22 carat fine. It was a hard tussel between J. E. Parsons and J. E. Alexandra, gard. W. Jack. They demonstrated in a practical way what can be done with hardy annuals. Another very interesting class was

hardy fruit. Mrs. J. E. Alexandra and C. Lanier, gard. A. H. Wingett, were the stars this time, the former coming out on top. Other exhibits of fruit was of equally high standard.

Lenox show holds a unique position. The only prizes offered are prize cards; but, mind you, it does not diminish the keenness of the competition one fraction; they ask no quarter, nor do they give any. But the society is looking forward to the time when they will have got beyond the pioneer stage, when the unexcelled work they are doing will be recognized in a more substantial manner.

John Lewis Childs had a great display of gladioli. Special note should be made of a vase of gladiolus Var. Dawn exhibited by Mr. Heeremans. The judges were H. Allan, gard. to F. Vanderbilt, Hyde Park, N. Y., and J. R. Shields, Dalton, Mass., whose awards gave satisfaction all around. The thanks of the society are due to Mr. MacConnachie for the courteous and businesslike manner in which he managed the show.

List of Prize Winners.

18 var. perennials, 1st, J. E. Parsons; 2nd, Elm Court Farm (gard. F. Heeremans). 12 var. perennials, 1st, J. E. Parsons, 2nd, J. E. Alexandra (gard. W. Jack). 6 var. perennials, Mrs. J. Sloane (gard. A. J. Loveless). 18 var. annuals, 1st, Miss H. Meyer (gard. R. Bondi); 2nd, Chas. Lanier (gard. A. H. Wingett); 3rd, J. E. Alexandra. 12 var. annuals, 1st, Elm Court Farm; 2nd, Mrs. J. E. Parsons (gard. R. Spier); 3rd, Mrs. J. Sloane. 6 var. annual, J. E. Parsons. 12 var. phlox, Mrs. J. E. Parsons. Gladioli 1st, Elm Court Farm; 2nd, G. H. Morgan (gard. T. Page); 3rd, J. E. Alexandra. Cactus dahlias, 1st, J. E. Alexandra. Sweet peas, 1st, High Lawn House (gard. G. Foulsham); 2nd, Mrs. J. Sloane; 3rd, J. E. Alexandra. 6 vases Sweet peas, 1st, J. E. Alexandra;

2nd, Mrs. R. Winthrop (gard. C. Carlquist); 3rd, Mrs. J. Sloane. Salpiglossis, 1st, Mrs. J. E. Parsons; 2nd, Mrs. M. K. Jesup (gard. W. O. Donohoe); 3rd, J. E. Alexandra. Larkspur, 1st, Mrs. J. E. Sloane; 2nd, Mrs. J. E. Parsons; 3rd, Mrs. R. Winthrop. Pentstemons, 1st, Mrs. R. Winthrop. Antirrhums, 1st, Mrs. J. E. Parsons; 2nd, J. E. Alexandra; 3rd, Elm Court Farm. Centre for table decorations, ladies' class, Miss A. E. Hutton, Tyringham, Mass. Dahlias, J. E. Parsons. Vase of sweet peas, 1st, Mrs. J. Sloane; 2nd, Elm Court Farm; 3rd, Mrs. J. E. Parsons. Asters, 1st, Mrs. R. Winthrop; 2nd, Mrs. J. E. Alexandra; 3rd, Chas. Lanier. 6 begonia rex, 1st, Mrs. J. Sloane. White grapes, Mrs. R. Winthrop; 2nd, Mrs. J. E. Parsons; 3rd, C. De Heredia (gard. G. Thompson). Black grapes, 1st, Mrs. J. E. Parsons; 2nd, C. De Heredia; 3rd, Mrs. R. Winthrop. Peaches, 1st, S. P. Shotter (gard. A. Jenkins); 2nd, Mrs. R. Winthrop; 3rd, C. De Heredia. Nectarines, 1st, S. P. Shotter; 2nd, G. Foster (gard. E. Jenkins); 3rd, Mrs. J. Sloane. Figs, 1st, Mrs. R. Winthrop; 2nd, Mrs. J. E. Parsons; 3rd, Elm Court Farm. Melons indoors, 1st, Elm Court Farm; 2nd, Chas. Lanier; 3rd, Mrs. R. Winthrop. Melons outdoors, Mrs. J. E. Alexandra. Collection of outdoor fruit, 1st, Mrs. J. E. Alexandra; 2nd, Chas. Lanier. Collection of vegetables, 1st, J. E. Alexandra.

JOSEPH W. PYBUS.

HORTICULTURAL SOCIETY OF CHICAGO.

It was decided at the meeting of the Horticultural Society of Chicago, held at the Art Institute, Aug. 2, to hold the flower show this fall at the First Regiment Armory, Sixteenth street and Michigan avenue. While this is not quite as large as the Coliseum, it is felt that in location, access to transportation, etc., it will be almost as desirable for a show as the Coliseum. C. L. Hutchinson was elected president, taking the place of the late W. E. Kelley.

TO ANNIHILATE PESTS

No grower, however skillful, can evade the necessity of a continual warfare with insect pests. Wherever there is a greenhouse or a garden there green fly, black fly, white fly, mealy bug, red spider, scales and worms of all grades of destructiveness are sure to swarm. Among the multitude of remedies placed upon the market in recent years

APHINE

stands out preeminent in efficacy. The willingness of the manufacturers to submit at all times this compound to public test and demonstration of its effect upon insect life and plant life has won for them in the fullest degree the confidence and approbation of the profession. The growers said

SHOW ME

and they were shown just what Aphine would do and would not do and no claims were made which could not be substantiated. Its virtues as a general insecticide have been repeatedly

PROVEN

Testimonials are being constantly received. Here are some recent ones:

"ERADICATES ALL SCALE AND APHIS."

Golden Gate Park, San Francisco, Cal., May 13, 1910.
"We have thoroughly tested out Aphine on plants grown in the open and find it most effective for such work as it eradicates all scale and aphids, for which I can strongly recommend it. Our outside roses in Golden Gate Park were badly infested with aphids. With the first application of Aphine the pest was entirely destroyed."
(s'gd) JOHN McLAREN, Supt.

"WITHOUT DOUBT THE FINEST INSECTICIDE."

"Uplands" San Mateo, Cal., May 10, 1910.
"The Aphine you sold me I have used on orchard trees and ornamental plants infested with scale, green and white fly, thrip, mealy bug, etc., and found, in every case, that it completely destroyed the pests in question, with not the slightest harm to the subjects treated. It is without doubt the finest insecticide I have ever used."
(s'gd) WILLIAM MUNRO, Supt. to C. T. Crocker, Esq.

MEALY BUG "ENTIRELY DESTROYED."

Hotel Royal Palm, Miami, Biscayne Bay, Fla., April 26, 1910.
"The sample of Aphine you kindly sent me was used on a lot of palms which were infested with Mealy Bugs and I am glad to say it entirely destroyed them without injury to plants. I shall include Aphine in my next order for supplies."
(s'gd) E. J. ANDREWS, Gardener.

"ONE OF THE BEST EVER SENT OUT."

Superintendent's Office, Hill Crest, Purchase, N. Y., May 14, 1910.
"Replying to your letter of March 31st, I wish to say that we have given your Aphine a thorough test, and have come to the conclusion that it is one of the best insecticides ever sent out."
(s'gd) A. UNDERWOOD, Supt.

"THE FIRST COMPLETE SUCCESS."

Morristown, N. J., April 20, 1910.
"It gives me great satisfaction to tell you that Aphine has entirely cleaned my Gardenias of Mealy Bug. I used it one part to 35 water. I have tried many things with more or less success, but this was the first complete success. There was no injury to buds or foliage."
(s'gd) EDWARD REAGAN.

"AN INSURANCE AGAINST INSECTS."

Fern-Croft Farm, Concord, N. H., May 8, 1910.
"Received the Aphine and gave it a good test. As I wrote you before, my 'mums' were literally covered with lice, but that is a thing of the past. I regard Aphine practically as an insurance against insects and I shall not be without it in the future."
(s'gd) H. D. WHITNEY, Prop.

"APHINE PROVED TO BE THE BEST."

Pasadena, Cal., April 11, 1910.
"It may be of interest to you to know that of the three fluid insecticides which I have tested, Aphine proved to be the best. First, it did not disfigure foliage or flower. Second, it mixed with water perfectly, and last, but not least of its merits, it is less expensive than any of the others considering the work accomplished."
(s'gd) P. D. BARNHART, Editor of Pacific Garden.

"WILL KILL EVERY ONE THAT IT TOUCHES."

Boulderwood Farm, Manchester, Mass., April 20, 1910.
"It may interest you to know that I've used the sample of Aphine as per directions and find it will kill Mealy Bug, Scale, etc., everyone that it touches."
(s'gd) JAMES SALTER, Gardener for P. Dexter.

"Aphine has a future as wide and long as the United States," says "Collier's Weekly."

"Aphine will do all you claim for it and more," says Charles H. Totty.

"I can honestly recommend Aphine to kill green fly, black fly, white fly, brown scale, white scale, Belgium scale, red spider, thrips and mealy bug if the directions are followed carefully and the spraying or dipping done thoroughly, and, as far as I can tell, does not injure the tenderest foliage," says James Whiting, foreman Dept. of Agriculture at Massachusetts Agricultural College.

APHINE IS SOLD IN FOUR SIZES.

Gallons \$2.50, Quarts \$1.00, Pints 65c., Half Pints 40c.

MANUFACTURED BY

APHINE MANUFACTURING CO., Madison, N. J.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Rosindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lancaster, Pa.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.
Vick & Hill, Rochester, N. Y.
For page see List of Advertisers.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Rosindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
J. A. Peterson, Cincinnati, Ohio.
Winter Flowering.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Red Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.
French Bulbs.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

J. Soleillet, Toulon, France.
French Hyacinths, Narcissi and Freesias.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.

S. S. Pennock Meehan Co., Philadelphia,
Pa.
Field-Grown.

Wanted—1500 Queen Carnation Plants,
300 White Enchantress, 300 Pink, 300
Beacon, 300 White Perfection, 200 Spreng-
eri. Send lowest cash price, also if will
exchange for Fair Maid plants. Box 350,
So. Walpole, Mass.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
J. D. Thompson Carnation Co.,
Joliet, Ill.

Chrysanthemums. Golden Glow, Poehl-
mann, Desjouis, Pacific, Roosevelt, Noala,
Monrovia, etc. 20 varieties, strong rooted
cuttings, \$1.00 per 100. List. Edward
Wallis, Atco, N. J.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more we will pay the freight
east of the Mississippi. All orders west
of the river, we pay to the river. Sam-
ples of stock and prices on request. Climax
Manufacturing Co., Castorland, N. Y.
Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen Persicum Giganteum. Large
flowering, mixed colors, fine bushy plants,
4 inch, \$10.00 per 100. Cash. J. W. Mil-
ler, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th St.,
Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 253

FERNS

- A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oechalin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
Ferns in Flats.
For page see List of Advertisers.
- Henry A. Dreer, Philadelphia, Pa.
Ferns for Dishes.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.
- JARDINIÈRE FERNS—5 best varieties,
2 1/4-in. pots, fine stock, \$3.00 per 100,
\$25.00 per 1000. Rose Hill Nursery, New
Rochelle, N. Y.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

- McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
- B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.
- For page see List of Advertisers.
Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.
- Geraniums, rooted cuttings of Riccard,
Poitevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

- GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.
- Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

- GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GLAZING PUTTY

- E. H. Hunt, Chicago, Ill.
"Elastic-Lyke"

GOLD FISH

- Gold Fish, aquarium plants, snails, cas-
ties, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL — Continued

- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE TO LEASE

- Sidis' Institute, Portsmouth, N. H.
For page see List of Advertisers.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
- King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America,
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-lne Products.

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.

For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.

For page see List of Advertisers.

KENTIAS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.

For page see List of Advertisers

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.

For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

MUSHROOM SPAWN

H. F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

For page see List of Advertisers.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Manual of the Trees of North America.
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.

ORCHID PLANTS — Continued

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 105
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.

Orchids—largest stock in the country
Stove plants and Crotons, finest collection
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 Illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALEMS

A. Leuthy & Co., Perkins St. Nurseries
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

A. T. Boddington, N. Y.
Giant Pansy Seed.

Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.

For page see List of Advertisers.

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates
Crosby & Son, Catonsville, Baltimore, Md

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.

Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfeld, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
dowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT BED CLOTH

Plant Bed Cloth, three grades. Best
protection from sun and frost. Used for
Chrysanthemum houses, hot beds, cold
frames. Henry Derby, 12311 Chambers
St., New York, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids Iowa.

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

Frank Oechslein, 4911 Quincy Street,
Chicago.

For page see List of Advertisers.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.

For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.

For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York, N. Y.
New Baby Ramblers.

For page see List of Advertisers.

The Rose by H. B. Ellwanger: mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

For List of Advertisers See Page 253

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Primula Seed.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
Cineraria Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

Francis Brill, Hempstead, L. I., N. Y.
For page see List of Advertisers.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STOCK FOR SALE

STOCK FOR SALE—Strong Plants,
Begonia Limnosa, 2½-in. Make fine 5-in.
stock for Christmas, \$4.00 per 100, \$35.00
per 1000. Rose Hill Nursery, New Roch-
elle, N. Y.

STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.
Pot Grown.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

CELERY PLANTS.—A No. 1 Trans-
planted, well rooted, the kind that grow,
no culls, White Plume and Giant Pascal.
Mail and express orders filled promptly.
Let me price you by the 100, 1000 or 5000
lots. W. C. Lester, 67 West Main St.,
Plainville, Conn.

VENTILATING APPARATUS

Piercon U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New
Model enclosed, self-rolling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

A. Moltz & Co., 55-57 W. 26 St., New York.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Niessen Co., 1206 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

New Offers in This Issue.**ASTERS.**

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

ASTERS, BULBS, PANSY SEED, LILIES, ETC.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

AN INVITATION.

Frank Oechslin, Chicago, Ill.
For page see List of Advertisers.

ANNOUNCEMENT TO FLOWER GROWERS AND DEALERS.

Welch Bros., Boston, Mass.
For page see List of Advertisers.

AMERICAN-GROWN HARDY ROSES.

Ellwanger & Barry, Rochester, N. Y.
For page see List of Advertisers.

APHINE THE GREAT INSECTICIDE.

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

CUSTOMS BROKERS AND FORWARDERS.

Dunn, Steer & Co., Philadelphia, Pa.
For page see List of Advertisers.

CONVENTION EXHIBIT.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

CYCLAMEN SEED.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

CHOICE SEEDS.

Francis Brill, Hempstead, L. I., N. Y.
For page see List of Advertisers.

CHRISTMAS FLOWERING SWEET PEAS.

A. T. Boddington, New York, N. Y.
For page see List of Advertisers.

EXHIBITION OF FLORISTS' NOVELTIES, ETC.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

EXHIBIT OF GLADIOLUS BLOOMS.

John Lewis Childs, Floral Park, N. Y.
For page see List of Advertisers.

EXHIBITION ANNOUNCEMENT.

Julius Roehrs, Rutherford, N. J.
For page see List of Advertisers.

EXHIBIT AT ROCHESTER.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

NEW OFFERS—Continued**EXHIBIT AT ROCHESTER.**

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

FANCY BASKETS.

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERN, PRIMROSES, CYCLAMEN, POINSETTIAS, BEGONIAS, ETC.

George A. Kuhl, Pekin, Ill.
For page see List of Advertisers.

FLOWERS AND FLORISTS' SUPPLIES.

Henry M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

GERANIUM DISPLAY AT ROCHESTER.

T. M. Miller, Jamesville, N. Y.
For page see List of Advertisers.

GARDEN HOSE.

Revere Rubber Co., Chelsea, Mass.
For page see List of Advertisers.

GREENHOUSES FOR SALE.

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers.

GERANIUMS, CANNAS, DAHLIAS.

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

GREENHOUSE DISPLAY AT CONVENTION.

George M. Garland Co., Des Plaines, Ill.
For page see List of Advertisers.

HORSESHOE BRAND PRODUCTS.

Ralph M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

INTERNATIONAL DELIVERY SERVICE.

International Floral Association,
New York, N. Y.
For page see List of Advertisers.

IRON FRAME GREENHOUSES.

King Construction Co., No. Tonawanda,
N. Y.
For page see List of Advertisers.

LILIUM HARRISII AND FRENCH BULBS.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

NEW SPENCER SWEET PEAS.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

ORCHIDS AND SPECIAL CHOICE FLOWERS.

James McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID EXHIBIT AT ROCHESTER.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

PHOENIX ROEBELENI SEEDLINGS.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

PECKY CYPRESS AND GREENHOUSE MATERIAL.

Foley Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

PLANT BED CLOTH.

Henry Derby, New York, N. Y.
For page see List of Advertisers.

PHILADELPHIA WHOLESALE FLORISTS.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW OFFERS—Continued**SNAPDRAGONS AND CHRYSANTHEMUMS WANTED.**

James Wheeler, Natick, Mass.
For page see List of Advertisers.

SEEDS AND BULBS.

Henry F. Michell, Philadelphia, Pa.
For page see List of Advertisers.

"SCALECIDE."

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SUPERIOR BULBS.

Peter Henderson & Co., New York, N. Y.
For page see List of Advertisers.

THE ORIGINAL CURVED EAVE HOUSE.

Pierson U-Bar Company, New York City.
For page see List of Advertisers.

WATER SUPPLY SYSTEMS, GASOLINE ENGINES.

Brackett, Shaw & Lunt Co., Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Berger Bros., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE CUT FLOWERS.

Edward Reid, Philadelphia, Pa.
For page see List of Advertisers.

Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now You See How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them.

CANADIAN HORTICULTURAL ASSOCIATION.

Abstract of the Address of President H. E. Philpott at St. Catharines, Ont., August 10, 1910.

As President of the Canadian Horticulture Association, I extend a welcome and greet you to our fourteenth annual convention.

One fault of these meetings is that we do not extend to the strangers assembled with us, the cordial greeting or friendly hand-clasp that would warrant them to feel at home like the rest of us who are better known to each other. It would be a good idea to appoint a committee to take charge of this most essential feature, to introduce to each other the members and friends who are gathered with us. It may be that among us are one or more total strangers who having become interested in our aims and ambitions have taken this opportunity to meet us in discussing and bettering the interests along this line; they may just by the friendly clasp extended to them be induced to unite with us.

While we are as yet practically a young organization, much is expected of us and we want to do our best to instruct our members and educate the masses in all lines pertaining to horticulture. We want to widen and deepen the interest in our profession by increasing our membership. We want to encourage the formation of kindred societies, exhibitions of plants and flowers, and to make our meetings so interesting and of such value to our members that they will look forward to each time of meeting, and so try and help each other to our uttermost in making our work less arduous and more profitable.

I feel that I can safely state that there is a grand future for us in this country, as the extensive building and erecting of greenhouses, and the nurseries starting up during the past year, convince me that times are prosperous, and if we work diligently together we should be able to add greatly to our list of members before we hold our next convention.

Let us try with all our might to push the good cause and to bring ourselves on the same footing as older organizations of our kind. Let us take an interest in the younger members of the profession and establish some measure of qualification, so they may become capable and proficient in entering into the many places in the horticulture lines that at this age presents so many opportunities for those who are qualified to fill such positions. Let us not think what others are going to do for us, but let us aspire and endeavor to do more for others than we expect as individuals to receive.

One principal subject at this convention that I wish to present to you, and which will be brought up for discussion is regarding the duty on plants, flowers and supplies. Shall we petition to abolish the duty on plants and flowers coming into Canada, or will it be advisable to have it abolished on plants or supplies only? I trust that during the sessions of our meetings our deliberations may be earnest, honest and decisive. I also hope that as many as possible will attend the convention of the S. A. F., in Rochester next week.

List of Advertisers

	Page		Page		Page
Advance The Co.	258	Jager, Chas. J.	255	Schultz, Jacob.	220
Allen, J. K.	224	Co.	255	Scott, John	195
American Nur-		Kasting, W. F.	224	Sharp, Partridge	
ery	196	Co.	224	Co.	257
Aphine Mfg. Co.	247	Kentucky To-		Sheridan, W. F.	224
Aschmann, G.	195	bacco Product		Sidis Institute	254
Barrows & Son	195	Co.	255	Siggers & Sig-	
Bayersdorfer, H.		Kerran Co.	224	gers	257
& Co.	232	King Cons. Co.	258	Skidelsky & Ir-	
Beaven, E. A.	225	Krick, W. C.	224	win	219
Berger Bros.	231	Kroeschell Bros.		Smith, E. D. &	
Bobbink & Atkins	197	Co.	258	Co.	195
Boddington, A. T.	215	Kuebler, W. H.	224	Smith, P. J.	224
Boston Florist		Kuhl, Geo. A.	245	Smith, W. & T.	
Letter Co.	225	Lager & Hurrell	244	Co.	196
Boston Plate &		Langjahr, A. H.	224	Smyth, Wm. J.	220
Window Glass		Lawrence, H. V.	220	Soleillet	216
Co.	257	Leonard Seed Co.	219	Standard Plate	
Brackett, Shaw,		Lenth, A. & Co.	195	Glass Co.	257
Lunt Co.	259	Lord & Burnham		Stearns, A. T.	
Breck, J. & Sons	219	Co.	258	Lumber Co.	257
Breitmeyer's, J.		MacMulkin, E.	220	Stunpp & Wal-	
Sons	220	Matthews	220	ter Co.	255
Bridgeman's Seed		McCarthy, N. F.		Syracuse Pottery	
Warehouse	219	& Co.	225	Co.	256
Brill, Francis	218	McConnell, Alex.	220	Tailby	220
"Buds"	219	McCray Refrig-		Thorburn, J. M.	
Burpee, W. A. &		erator Co.	221	& Co.	219
Co.	219-237	McCullough's J.			
Burr, C. R. &		M. Sons Co.	222		
Co.	196	McHutchison &			
Buxton, Doane		Co.	195		
Co.	257	McKellar, C. W.	222		
Carrillo & Bald-		McKissick, W. E.			
win	244	& Bros.	222		
Chicago Carna-		McManus, J. A.	224-226-227		
tion Co.	197	Metropolitan Ma-			
Childs, John		terial Co.	258		
Lewis	197	Michell, H. F.			
Clarke's, D.		Co.	218-233		
Sons	220	Michigan Cut			
Cowee, W. J.	222	Flower Ex.	225		
Craig, Robt.	241	Milling, A.	224		
Crawbuck, G. W.	224	Millang Chas.	224		
Crawford, H. F.	253	Miller, T. M.	195		
Dards	220	Moninger, J. C.			
Derby, Henry	256	Co.	257		
Dingee & Conard		Moore, Hentz &			
Co.	197	Nash	224		
Dorner & Sons		Morse, C. C. &			
Co.	195	Co.	219		
Dreer, H. A.	239-257	Murray, Samuel	220		
Dunlop, John H.	220	N. E. Nurseries	196		
Dunn, Steer &		Nicotine Mfg.			
Co.	231	Co.	219		
Dysart, R. J.	225	Niessen, Leo C.	230		
Eastern Chemical		Oechslein, Frank			
Co.	255	Co.	244-245		
Edwards Folding		Ordenez Bros.	244		
Box Co.	222	Ouwkerk, P.	197		
Ellwanger &		Palethrope, P. R.			
Barry	198	Co.	255		
Elliot, W.		Palmer, W. J. &			
Sons	219-246	Son	220		
Esler, J. G.	258	Park Floral Co.	220		
Ernest, W. H.	256	Parshelsky Bros.	257		
Eyres	220	Peacock Dahlia			
Farguhar, R. &		Farms	196		
J. & Co.	196-243	Pennock-Meehan			
Fiske, H. E.		Co.	235		
Seed Co.	219	Perkins St. Nur-			
Foley Mfg. Co.	250	series	195		
Ford, M. C.	224	Peters & Reed			
Freeman, G. L.		Co.	256		
Co.	244	Peterson, J. A.	244		
Froment, H. E.	224	Pierce, F. O.	257		
Frost, Chas.	219	Pierson, F. R.	245		
Galvin, Ilos, F.	221	Pierson, A. N.	195		
Garland, Geo. M.		Pierson U-Bar			
Co.	257	Co.	260		
Gloekner, Carl		Poehlmann Bros.	222		
R.	219	Pratt, B. G.	255		
Greater N. Y.		Pulverized Ma-			
Florists' Asso.	224	nure Co.	255		
Grey, T. J. Co.	210	Raedlein Basket			
Gude Bros. Co.	220	Co.	222		
Guttman, Alex. J.	224	Reed & Keller	224		
Hall Association	258	Reid, Edw.	231		
Hart, Geo. B.	197	Reinberg, Peter	222		
Heacock, Jos.		Revere Rubber			
Co.	234	Co.	259		
Heinl, Geo. A.	220	Rice Bros.	222		
Herbert	196	Rice, M. & Co.	194		
Hews, A. H. &		Rickards Bros.	219		
Co.	256	Robinson & Co.			
Hillfinger Bros.	256	Co.	229-223		
Hill, The E. G.		Rock, Wm. L.	220		
Co.	196	Roehrs, Julius			
Hitchings & Co.	258	Co.	195-244		
Hoerber Bros.	222	Roland, Thos.	195		
Home Corresp.		Rolker, A. &			
School	253	Sons	196-256		
Horan, E. C.	224	Rosens	222		
Hotel Seneca	214	Saunders & Son	244		
Hunt, E. H.	255	Schlegel & For-			
International		tier Co.	219		
Floral Asso.	228				

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

SITUATIONS WANTED

SITUATION WANTED, FARM MANAGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address, "Seeds," care HORTICULTURE, Boston, Mass.

T. D. HATFIELD of Wellesley, Mass., would like to find a place for his son as assistant. He is 21 years of age and has been employed on the Hunnewell estate three years. Private or commercial.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 64 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserius good stock, 400 callas, one 150 foot bench, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD, Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

Yield"—J. C. Whitten, professor of horticulture, University of Missouri, Columbia; Doctor S. A. Beach, professor of horticulture, Iowa Agricultural College, Ames, Ia.

H. W. Schisler of The Schisler Grain Company, St. Louis, is in Chicago this week attending the Knights Templars' conclave. Mr. Schisler says his firm is in no way connected with the Schisler-Cornell Seed Co., all the Schislars having severed their connection with this firm.

DUKE'S PARK, SOMERVILLE, N. J.

We had the pleasure of a brief view of some of the features of this wonderful estate recently under escort of the accomplished gardener in charge of the conservatories, Mr. A. A. McDonald. A new range of twenty-two houses recently completed by Lord & Burnham Co., is a model in the way of compactness, utility and convenience. The curved eave construction has been



followed, giving a very pleasing outline. The absence of interior supports makes for convenience and sightliness and the contents are as to quality in full keeping with the splendid facilities here placed at the gardeners' disposal.

The fruit houses are especially interesting at this season. Peaches, nectarines, figs and grapes are seen in tubs and pots, loaded with luscious fruit. A house of melons is planted regularly once a month throughout the year, consequently these delicious products are seen in all stages of development and ripeness. Mr. McDonald has a variety which is the result of a cross of a variety, without name, which was the best at the Shrewsbury Show last year, upon Sutton's Emerald Gem, and it has proved to be an early cropper and finely flavored fruit. These melon houses are under the direct charge of G. H. Penson, a contribution from whose pen appeared in last week's issue of Horticulture.

A house of seedling chrysanthemums, singles, attracted our attention from the luxuriant health it displays. Mr. McDonald expects great things from it. There are dwarf semi-standard specimens in 8-inch pots, 3 ft. high and 2 ft. in diameter which when in bloom will make elegant conservatory plants, lasting in bloom three or four weeks. Growers of pot chrysanthemums for the florist trade should look these over when they are about to bloom. There's a promise of commercial value in them. Another thing that may contain a suggestion of value to the flower grower is the holding of gladiolus bulbs in cold storage and taking them out in August and September for winter flowering. There are, too, long ranks of speciosum lilies in pots—mostly rubrum magnificum—which at the present time afford probably the finest display of the kind in the world. The bulbs are in 6-inch pots and bear from 10 to 25 buds on each stalk.

The orchid houses are filled with interesting, beautiful and rare varieties.

Greenhouse Property To Lease

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4500 square feet. There are two graperies with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

ADDRESS:

SIDIS' INSTITUTE,
PORTSMOUTH, - - - N. H.

Just now Cattleyas Dowiana, gigas, Harrisonae and crispa, with many of the hybrids, are blooming. There are sweet pea houses, American Beauty houses, etc., and among the most important and useful are the houses devoted to the production of plants for conservatory adornment. These

places practically no limit on expenditures. The cottages occupied by the superintendents and employes are models.

It is stated that not less than half a million dollars is being spent in the development and building up of this vast estate. A prodigious amount of



The Orange House.

cover a very large range of flowering and decorative foliated plants. An illustration of the orange house is shown herewith. Mr. McDonald carries easily a great responsibility. He is a resourceful gardener and manager and is well supported by trustworthy assistants and by a proprietor who

grading is going on and steam derricks and locomotives are working on all sides. Water plays an important part in the scheme. There are many waterfalls and fountains, one of the latter requiring a 14-inch supply pipe. One plantation of 30,000 Koster blue spruce occupies nearly 20 acres of ground.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

All these trees are to be planted in different parts of the estate. Everything else connected with the outdoor development is done on an equally gigantic scale. This department is under the direction of Superintendent D. J. Smith. We shall have occasion to say more about the work as it progresses, later on. On such establishments as this depends much of the future trend and advancement of American gardening, especially when, as in this instance, the owner is deeply attached to and loves everything connected with horticulture.

SEVEN REASONS FOR FALL SPRAYING.

One of the most interesting little booklets that has come to our notice in many a day, is one entitled "The Whys and Wherefores of Fall Spraying," issued by the B. G. Pratt Co., 50 Church street, New York City, manufacturers of "Scalecide." In about one hundred words Mr. Pratt has given reasons for fall spraying and each reason is sane and sound. Mr. Pratt's arguments are backed up by the opinion of several successful orchardists and nurserymen, also the Bulletins issued by the Experiment Stations of several states.

One or more of these booklets will be promptly mailed upon request to the B. G. Pratt Co.

VEGETABLE GROWERS' CONVENTION.

There will be a Vegetable Growers' Convention at Grand Rapids, Mich., Sept. 27, 28 and 29, and an interesting little announcement is out telling of the attractions it will have for market gardeners and greenhouse men. This live city is a center in producing vegetables, both under glass and in the open, and visitors here will have plenty to see and hear and no doubt there will be a number who will go over from Chicago and other large cities. Programs can be secured by writing S. W. Severance, secretary, 508 Walker Bld., Louisville, Ky.

ROYAL HORTICULTURAL SOCIETY.

At the meeting on July 19 Pearson & Son of Lowdham, Notts, were given an award of merit for sweet pea Elfreda Pearson, deep pink, and a similar award went to Dobbie & Co. for Earl Spencer, scarlet with trace of yellow.

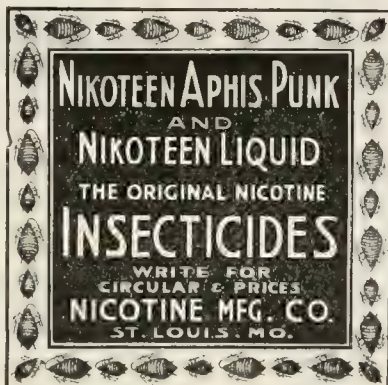
Messrs. J. Waterer & Son, Bagshot, showed a weeping form of the common holly and Perry's weeping form of that shrub. Another good thing shown by them was Taxus fastigiata Standishii—a golden leaved variety.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



Imp Soap Spray

5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only spray Not Poisonous to Orchard Grass

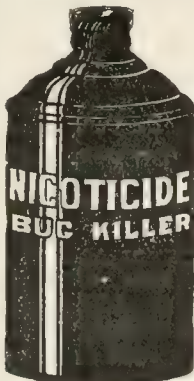
Sticks, but does not spot leaves.

Single gallon can, \$1.50.

Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

The Tri-City Florist Club met Thursday, August 11, at A. Staaps', Rock Island, Ill.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
— Union Stock Yards Chicago



Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.
CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment—One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

The GEORGE M. GARLAND CO.

Des Plaines, Ill.

DESIGNERS, BUILDERS, AND MANUFACTURERS OF GREENHOUSE MATERIAL

Will Show At The

ROCHESTER CONVENTION

A Model Greenhouse showing all the latest improvements and up-to-date appliances. H. S. Garland, son of Geo. M. Garland and Secretary of the Company will be there and will be pleased to answer any questions.

DO NOT FAIL TO SEE THIS EXHIBIT

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

Do Not Place Your Orders Before Writing Us For Our Price.

GLASS Sharp, Partridge & Co.,
22nd and Lumber Streets,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

IRON PIPE

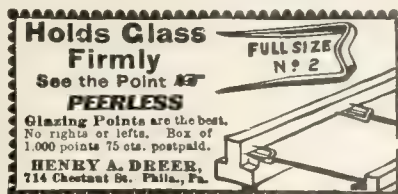
Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston

Telephone, Fort Hill 2475



GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO,



The House That Makes Good

Of a certainty that Iron Frame Greenhouse of ours makes the ideal house. It makes the kind of house that not only "looks good" but stands close inspection and comparisons. It must be so because so many of our customers recommend us to their friends. Fortunately, we have houses that fit all conditions and all pocketbooks. Send for circular and see for yourself.

Hitchings & Company

1170 BROADWAY,

NEW YORK



Little Details Count In Greenhouse Building

How many houses that you know of, have been all but spoiled in appearance just because care was not given to the little details? You say such and such a house is a good house—but! And it is **the buts** that make the difference between a house that is carefully designed and as carefully built, and the one that has been slighted in the so-called "little details." It is just these details that are the making of a house. The fact that we have done so many big things so well is conclusive proof that the little things are not slighted.

Our Building Superintendents have been called cranks because they make such a "holler" if things are not up to snuff. If there is any kicking to be done, we prefer to do it.

If you want a thoroughly up-to-date house built by a firm that does business with an eye on the details, then write to us.

In the Advance Pages from our new catalogue, the houses shown are given a page. We want every gardener to have these pages.

LORD & BURNHAM COMPANY
Irvington, N. Y.

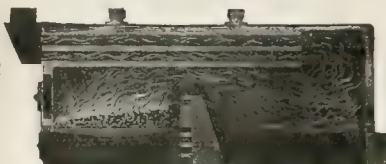
New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

A FEW WORDS ABOUT

GREENHOUSE CONSTRUCTION

Have you seen a King Greenhouse? You should. They are designed with a thorough knowledge of all the strains such structures are subject to, and of all the requirements of the business of growing things.

Our reputation for thoroughness and reliability are world wide, and we believe in a square deal to everybody. Send for our Bulletins.

KING CONSTRUCTION CO.

North Tonawanda, N. Y.

The FLORISTS' HALL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

LET US QUOTE YOU ON NEW AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

THE FOLEY M'F'G CO.

CHICAGO

GREENHOUSE CONSTRUCTION

PECKY CYPRESS

The Ideal Lumber for

Greenhouse Benches

We can furnish it in any size or length and in car loads or any quantity.

Write to us for prices.

From a Full Supply of thoroughly seasoned Lumber
let our draughtsmen complete your sketches

OUR PRICES WILL SAVE YOU MONEY ON YOUR WORK

FOLEY VENTILATING APPARATUS

Is the Best;

Easy to Operate;

Simple in Erection;

Its Price Lowest.

FIGURES AND CIRCULARS ON APPLICATION.

HOT BED SASH IN STOCK SIZES OR AS ORDERED

OUR CATALOGUE GREENHOUSE MATERIAL SENT POSTPAID ON REQUEST.

THE FOLEY M'F'G CO., WESTERN AV., CHICAGO
25th & 26th Sts.,



Revere

LIGHT STRONG FLEXIBLE

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction cannot unwrap, kink or burst like old-style wrapped duck construction. Made in continuous lengths up to 500 ft. which gives you any length you want and avoids leaky couplings.

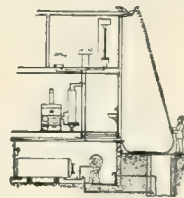
Manufactured by

REVERE RUBBER CO., Boston, Mass.

BRANCHES

New York, Philadelphia, Pittsburgh, Chicago, Minneapolis, New Orleans, San Francisco

Reliance Line



Hydro-Pneumatic Water Systems for Town, Corporation, Farm, Greenhouse, or Domestic use.

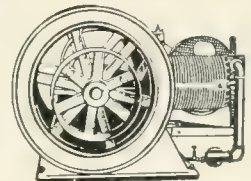
Send for Splendid New Catalog 14.

Reliance Gasoline Engines

Air Cooled Gasoline Engine 1 to 10 Horse

The original air-cooled engine (above 3 horse). Over 1000 in successful use. You owe it to yourself and to your family to investigate this strongly guaranteed engine before you buy. Also 2 to 18 horse hopper cooled and 2 to 200 water cooled.

Send for Catalog 15. 24 years' experience.



Our Electric Lighting Outfits

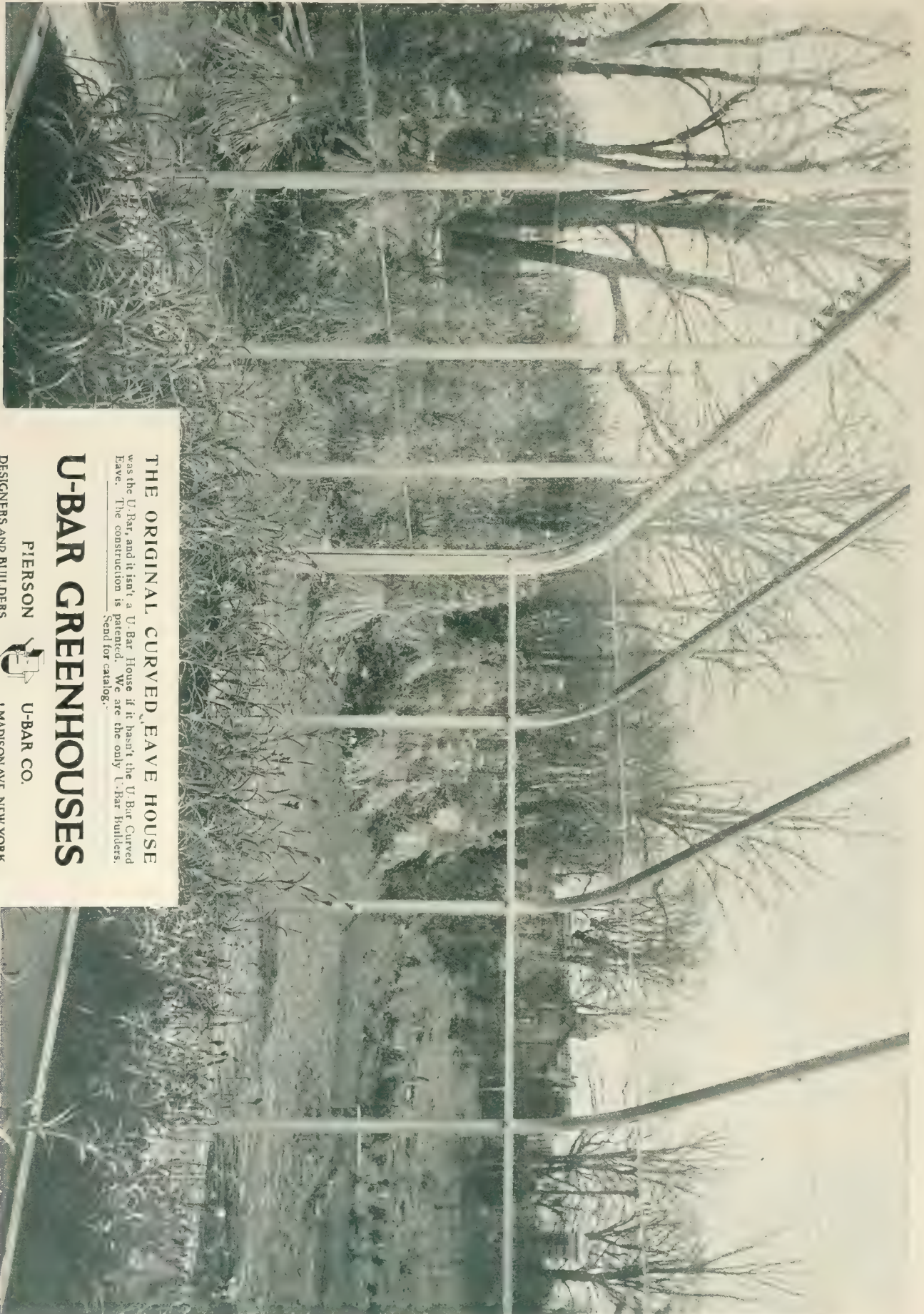
(using Gasoline Engine and Storage Battery) are perfection itself. Cost low enough to be within the reach of all.

"Write Us Your Wants"

BRACKETT, SHAW & LUNT CO.

SOMERSWORTH, N. H.

Boston Office, 62 CHARLESTOWN ST., (Now called Washington St., North)



THE ORIGINAL CURVED EAVE HOUSE
was the U-Bar, and it isn't a U-Bar House if it hasn't the U-Bar Curved
Eave. The construction is patented. We are the only U-Bar Builders.
Send for catalog.

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII.

AUGUST 20, 1910

No. 8



GEORGE ASMUS

President-Elect Society of American Florists and Ornamental Horticulturists.

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR

U KNOW US!**LET'S KNOW U!**

All the World Loves a Winner

M. Rice & Company's displays are always Winners at every Society of American Florists' Convention.

Our new exclusive novelties exhibited at Rochester were as usual far ahead of anything shown there.

FOLLOW SUCCESS by placing your orders for all florists supplies and ribbons with "THE LEADERS."

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA.

The Largest and Handsomest Illustrated Katalog for the Asking

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

**Largest Importers, Exporters, Growers
and Hybridists in the World**

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

**CARRILLO & BALDWIN,
Manhasset Neck, New York.**

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, 80, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

Madison, N. J.,

ORDONEZ BROS.

ORCHIDS

**Cattleyas, Dendrobiums, Laelias,
and Odontoglossums**

**G. L. FREEMAN CO.
Fall River Mass.**

**Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.**

Winter-Flowering

BEGONIAS

Before ordering your supply of Winter-flowering Begonias, write J. A. Peterson's Cincinnati, Ohio, for Prices on New Begonia Glory of Cincinnati, also Begonias Pres. Taft, Gloire de Lorraine and Agatha. Also, New Dracaena "Victoria."

J. A. PETERSON

**Cincinnati
Ohio**

GERANIUMS

We are headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it **without fear of successful contradiction**, and in proof thereof we invite a critical inspection of our stock and facilities for propagating.

We are now shipping fine stocky plants from 3 in. pots in a good assortment of Standard kinds at \$3.00 per 100; \$25.00 per 1000

Cannas and Dahlias. Send for list.

Alyssum and Swansona, white, 3 in. \$3.00 per 100.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

For Immediate Delivery

2 1/4 in. pots, \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE	per 100.	per 1,000.
2 1/4-inch pots.....	\$15.00	\$135.00
3 " " " " " " " "	25.00	200.00
4 " " " " " " " "	35.00	300.00

GARDENIAS	per 100.	per 1,000.
3-inch pots.....	\$15.00	\$135.00
4 " " " " " " " "	25.00	200.00
5 in. pots, \$5.00 per doz.,	\$35.00 per 100	

POINSETTIAS	per 100.	per 1,000.
2 1/4-in. pots, \$8.00 per 100,	\$75.00 per 1000	

BOSTON FERNS

7-in. pans, 75 cts.; 8-in. pans, \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2890 Bedford **BROOKLYN, N.Y.**

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ROEHRS

ORCHIDS, AZALEAS, PALMS, LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

LILIUM FORMOSUM 7-9 Inches

Just arrived from Japan. 220 and 300 per case, \$60.00 per 1000.

Also for Later Arrival:

L. Multiflorum, 7-9, 8-10 and 9-10

L. Giganteum, 7-9, 8-10 and 9-10

McHUTCHISON & CO., 17 Murray St., NEW YORK

CHRYSANTHEMUMS

and ASTER SEEDS

ELMER D. SMITH & CO., - - Adrian, Mich.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,

Sangamo, Brilliant pink,

Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

Whitmani Ferns

2 1/2 in., \$5.00 per 100; \$40.00 per 1000; 250 at 100 rates.

Nep. Magnifica, 2 1/2 in., \$15.00 per 100.

H. H. BARROWS & SON

Whitman, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

Chrysanthemums

Fine stock from 2 1/4 and 2 1/2 in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, J. H. Troy, Maud Dean, Money-maker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Mme. Bergeman, Polly Rose, Riverside, The Harriott, Timothy Eaton, W. H. Lincoln, Wm. Duckham, fine stock, \$3.00 per 100; \$25.00 per 1000.

Wood Brothers

FISHKILL, N. Y.

ROSE STOCK

2000, each, Brides, 'Maids, Richmond;

1000 Rhea Reid

300 Ivory; all own root at 6c each.

Chrysanthemums

Our selection, good commercial varieties, at \$1.00 per hundred, \$25.00 per thousand.

Charles H. Totty

Madison, N. J.

NEW BABY RAMBLERS

ROSE ORLEANS and Mrs. TAFT

Imported field grown stock of last year's elegant French Novelties: Mistress TAFT, crimson pink; ROSE ORLEANS, bright pink, white eye; both force readily, foliage healthy, by far preferable to the Old Baby Rambler. Fall delivery f.o.b. N. Y. duty paid: \$20.00 for fifty; \$37.50 for one hundred. TRY these NOVELTIES now for winter flowering and for Easter forcing! Address

AUGUST RÖLKER & SONS, NEW YORK, 31 Barclay St., or P. O. Box 752

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS FOR AUGUST AND SEPTEMBER PLANTING

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$60.00
3-4 feet.....	6.00	50.00
Each Per Doz.		
Golden, 18-24 in....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
Per Doz. Per 100		
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
Each Per Doz.		
" Pungens Glauca Koster		
True Blue, 2-2½ ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00
Roots dug with ball and burlapped		
10c. extra.		

CALIFORNIA PRIVET.

October Delivery,

2 years cut back and nicely branched.		
Per 100 Per 1000		
3-4 feet.....	\$5.00	\$40.00
2-3 feet.....	4.00	35.00
Berberry Thunbergii,		
18-24 in., very bushy	12.00	100.00
18-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries
MANCHESTER CONN.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva. N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

Evergreens

For September Planting. Douglas, Norway, White and Koster Blue Spruce, Hemlock, Kalmia latifolia, etc.

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

Notes From the Arnold Arboretum

Buddleia variabilis is now beginning to bloom, and though it has been already highly recommended, it ought to be stated again that it is one of our best late-flowering shrubs and among the most noteworthy of the recent introductions from China. In habit and general appearance it is so distinct from other shrubs that it will not fail to attract attention when studded with its showy spikes of lilac flowers. The foliage, too, is very attractive and particularly the contrast between the dark green upper side and the silvery white under side of the leaves which are lanceolate in outline and measure from four to ten inches in length is an effective ornamental feature of this shrub. The fact that the shrub is not quite hardy here and is killed back more or less during the winter does not diminish its value, as vigorous young shoots spring freely up from the base and bloom profusely the same year, the flower spikes being perhaps larger and finer, as if all the old wood were preserved and the flowers produced from less vigorous shoots. *Buddleia variabilis* reaches a height of five to eight feet and from August until late in fall it is studded with the long tail-like spikes of lilac, faintly fragrant flowers, borne at the end of the branches and branchlets. In the common form the flower spikes form a rather lax tail of lilac purple flowers with a faint orange centre. Handsomer are the following varieties of which *B. variabilis* var. *Veitchiana* is the earliest to bloom, its flower spikes are longer, often over two feet long and denser and the color of the flowers is deeper with a bright orange centre. *Buddleia variabilis* var. *magnifica* is also a very fine form with bright violet purple flowers marked with a deep orange eye; the spikes are more constricted than in the preceding variety. The latest to bloom and in its best shape about the middle of September is *Buddleia variabilis* var. *Wilsoni*; the flower spikes attain the length of thirty inches and the flowers are bright rose lilac with an intense orange eye. The large flower spikes with their subdued shades of lilac and purple loosely arranged in vases are very effective for indoor decoration, but must be handled carefully, as they easily wilt, and put in water as soon as possible after cutting and kept for a while cool and moist.

Clematis tangutica (*C. eriopoda*) is now very handsome with its bluish green finely divided foliage studded with the feathery heads of long-tailed fruits interspersed with the bright yellow bell-shaped flowers nodding from slender stalks. The flowers measure two inches in length and are with their long-pointed yellow sepals very unlike any of the more commonly cultivated Clematises; they appear from June to August and even after they are gone the heads of fruits with their long feathery tails continue to adorn this vine until late in fall. Another similar species now in bloom is *Clematis orientalis* with smaller flowers of a paler often greenish yellow and with less bluish, finely divided foliage; it begins to bloom in August and like the preceding species the flowers are followed later by ornamental heads of feathery fruits.

Besides the varieties of *Calluna* mentioned in one of the preceding issues, another Heath, *Erica vagans*,

which is now in full bloom, ought to be mentioned here. This and *Erica carnea* which shows its pretty rose-colored flowers in early spring are the only true Ericas which have proved perfectly hardy here. *Erica vagans*, a native of western Europe, forms spreading tufts scarcely exceeding one foot in height, though in its native habitat it grows three to four feet high, and the small light pink or whitish flowers form dense spikes at the upper part of the branches. The plant, however, chiefly on account of its pale flowers, is not as handsome as *Calluna* with its bright red flower spikes.

Alfred Rehder.

Seasonable Notes on Culture of Florists Stock

CATTLEYAS

For commercial purposes there are no better orchids to grow than cattleyas. If given some attention as to their needs they will repay you well by a profusion of blooms. Gigas, Gaskelliana, and Chrysotoxa, as they go out of flowers will need some new material. There is nothing better than some live sphagnum and soft fibrous peat. In the growing of cattleyas it is very important that the plants be firm, whether they are grown



CATTLEYA HARDYANA

in baskets, pots or on boards. They should be watered very carefully as they are in their rest season, but don't withhold water too severely or it will cause injury to the plant. When new breaks begin to move they can be given encouragement in the way of water and moisture. Keep a light shade of naphtha and white lead up to the middle of October or first of November. The floors and benches should be kept wet in order to supply the atmosphere with moisture during the hot and dry weather.

BROWALLIAS

The Browallia is of special value to the florist for winter flowering owing to its free blooming qualities, flowering as it does in our shortest and darkest days. Sow now in pans or pots or a still better plan is to sow a few seeds in a 4-inch pot, and when large enough the seedlings can be thinned, leaving three or five plants in a pot which can be shifted as they require it until a

6 or 7-inch pot is reached, which makes a good blooming size. When they are established they should have full sun and be kept as near the glass as possible. To have nice bushy plants they should be pinched two or three times during the remainder of the season. Give them a syringing every fine day. When the flower buds appear give plenty of well diluted liquid manure. These plants will give a profusion of blooms all through the winter and early spring. *Browallia elata*, white and blue, are the two best varieties for the florist to grow.

COCOS

Of all the cocos *Weddeliana* is the most important one for the florist. Not only is it good for fern dishes but it makes a favorite palm for house decoration, especially for table use either individually or as a center piece for a number of other plants. Plants that are in 4 to 6-inch pots will make serviceable sizes for such work. Now is a good time to do any repotting that may be required as later root action will be less active. They like a soil sandy in texture—a good compost of leaf mold and peat, one-third of each, mixed with a good fibrous loam and sand. In one or two points the cultivation of this palm differs from that of other palms in requiring a higher temperature. They should never be grown under 65 degrees in winter, and heavy syringing is very injurious. The persistent ramming usually done in potting other palms should not be exercised with *Cocos Weddeliana* as looser potting suits them better. They thrive better when given a house for themselves. If such accommodation is not practical, give them at least a bench for their exclusive occupancy. The floors should be syringed often to keep the atmosphere moist.

GERANIUM CUTTINGS

Start now without delay in propagating your stock of geraniums. Of the three methods of rooting these plants—namely, in the cutting bench, in flats, or small pots, I prefer putting the cuttings in the propagating bench as a greater number of plants can be raised in a given time than by either of the other methods. Sturdy, short-jointed top cuttings of three to four inches long, will make the best plants for next spring's trade. For the next three weeks good geraniums can be struck, give them room, light, air and in a house that averages 55 degrees at night during the winter. Give the cuttings a thorough watering when first put in, which will do them for several days. After that only water when they are quite dry. See that they have plenty of air when the weather is favorable. Go over the cuttings frequently and remove any dead and dying leaves or any plants that may have damped off.

MYOSOTIS

There is nothing better for dotting among such bulbs as hyacinths and tulips in the spring than *Myosotis*. They can also be used to good advantage for planting in the rock garden and cemetery. Sow seed now in a coldframe in some good compost and give a good soaking of water. Keep them shaded until they germinate. Then let them have full light and air. When large enough they can be planted out in other frames or flats. If wanted for pot culture *Myosotis dissitiflora* and *Royal Blue* are excellent. They sell well put up in small baskets in the spring. These plants are well worthy of more attention as they can be planted out early and will give a good display of bloom in beds that are later filled up with the usual summer plants.

SWEET PEAS

For the crop that is wanted from December to April sow the seed now either in the benches where they are to

grow, or if you want to hold them for the house or bench occupied with early chrysanthemums you can sow 8 or 10 seeds in a 4-inch pot, which can be planted as soon as the chrysanthemums are gone. Always give them a good rich compost—say about three parts of turf loam with one part of well-rotted manure. While sweet pea culture is by no means wholly dependent on the soil, it is evident to any one that without a congenial soil from which to draw the necessary food supply, returns from the plants will be unsatisfactory. In bright sunny weather syringe every day so as to keep up as cool an atmospheric condition as possible. Plenty of ventilation is of primary importance. The ventilators should only be closed when the outside temperature is too low or the inclemency of the weather makes airing impossible. Give a winter temperature of from 45 to 50 degrees at night with a rise of 10 or 15 degrees higher with sunshine. Weekly smoking with tobacco will easily keep down the green fly.

REPAIRING THE HEATING APPARATUS

Now is a good time to see that the heating apparatus is put in perfect working order so as to meet the onset of the coming winter. Any weak points that were discovered last winter in the piping or the boiler should now be again thoroughly examined before hard firing becomes necessary. There is no better time than the present to stop all leaks by overhauling all defective joints here or there, replacing all split or cracked lengths of pipe with sound ones. Sometimes it happens that a close inspection late in the season reveals defects in an apparatus—usually the boiler—which escapes detection earlier in the season but now makes hasty repairs necessary, what seemed only a small defect at first often ending with the purchase of a new boiler. Temporary makeshifts in the winter are all right, but any repairing done now should be lasting and thorough going.

John J. M. Farrell

Profitable Orchids for the Cut Flower Market

(Continued from Page 201, Issue of August 13.)

DENDROBIUMS

Dendrobium formosum giganteum when well done is one of the most profitable orchids to grow; their beautiful white flowers always finding a ready sale at a good figure. These, like nearly all *Dendrobiums*, must have very small pots in comparison to the size of the plants and but a very little compost about their roots. They require very little shade at any time of the year, and an abundance of heat and moisture during their growing season. In winter they must be thoroughly rested by withholding water and keeping them cool in full sun. With *D. Phalaenopsis* one must almost go to extremes in the size of pots used when potting up new imported plants; a 2½ to 3-inch pot being large enough to accommodate plants with from four to six bulbs, no matter how tall these are. Other good *Dendrobiums*

found occasionally in the market are *D. nobile*, *D. Wardianum* and *D. crassinode*.

ONCIDIUMS

Oncidium verucosum Rogersi and *O. splendidum* are both profitable orchids to grow, the former being very free flowering, and if reasonable care is taken of them they will give good returns for a number of years to come. *O. verucosum*, like most *Oncidium*s, does best in a temperature of 45 to 50 deg. in winter, with plenty of light and air at all times. Keep them as cool as possible during the hot summer months without depriving them of the light which is so necessary to produce a good crop of flowers. Most *Oncidium*s do best in small baskets or pans suspended from the roof. In potting or basketing use a little osmunda fibre around the base of the plant, just enough to steady them until the roots take hold. They don't like much compost of any kind about their roots. *O. verucosum* should be thoroughly rested after the flower spikes are cut, even to the extent of shriveling, until they start to grow again. When the new growths have rooted into the compost plenty of water must be given, keeping it up until the flowers commence to expand. From that point on gradually reduce the amount until you get down to practically nothing in winter, save a syringing in bright weather. As a rule orchids should not be allowed to shrivel, but with this *Oncidium* and *Cœlogyne cristata* it will do no harm.

Oncidium spendidum can be grown on the bench under practically the same conditions as advised for *Cattleyas*, keeping them as near the glass as possible. Very little water is required by them in winter, and not much in summer. *Oncidium ornithorhynchum* could also be profitably grown. Their graceful sprays of small purple heliotrope-scented flowers can be used to good advantage in decorative work. These do well suspended from the roof of the *Cattleya* house. *Oncidium crispum*, *O. Forbsii*, *O. Marshallianum* and *O. Sarcodes* are also good varieties of this interesting genus, which will grow under the same conditions as *O. verucosum*.

LAELIAS

Laelias require practically the same treatment as *Cattleyas*, but should be given more sun and rested more severely in winter. Although their flowers are beautiful, there is but little demand for them as they do not last long after being cut. *Laelia*, or properly *Laelio-cattleya elegans*, is a handsome thing, too, and a good keeper, but too rare and expensive to be grown for the cut flower market.

CYPRIPEDIUMS

Cypripedium insigne is, no doubt, the easiest of all orchids to grow, and one of the most free flowering if left alone after being repotted for at least five or more years. Keep them agoing by frequent applications of liquid manure during summer until the flowers expand. Never let them get dry. As a compost I use good turfy loam, lumps of dry, old cow manure and pieces of osmunda fibre chopped up in pieces the size of hen's eggs, or thereabouts, in equal proportion. Fill the pots nearly half full with crocks to ensure good drainage for the future and then work in the compost firmly about the roots to within an inch or so of the rim. Use pots

large enough to accommodate the plant for the next five to eight years. Do not disturb them until the leads have grown out over the edge of the pot to some extent unless you want to increase your stock of plants. The rest of the *Cypripedium*s, with the possible exception of *C. Harrisianum* and *C. villosum*, are too slow of growth and shy of bloom to be profitable. The difference in the price received for a flower of the common *C. insigne* and that of any other *Cypripedium*, no matter how good a variety it may be, is not enough to encourage the growing of these for the market. They are all right for the private gardener, where no cash profits are looked for.

COELOGYNES AND CALANTHES

Cœlogyne cristata (both the Chatsworth variety and the pure white *C. c. alba*) and the three *Calanthes*—*C. Veitchi*, *C. vestita lutea oculata* and *C. Regnieri* are other good orchids well worth growing and which will bring good returns, besides being easy to grow and propagate. *Calanthes* flower from October to March, and *Cœlogynes* from January to May, if some plants are kept cool and dry. *Calanthes* require plenty of heat while making up their bulbs, also regular waterings with good liquid manure as often as they dry out, until the bulb is completed and the flowers commence to open. After flowering they are laid under a bench in a warm house until they start to grow again, when they are potted in a mixture of old rotten cow manure, bone meal and a little fibrous loam, with the fine soil well shaken out. This helps to bind the compost and keeps it from washing away. *C. Veitchi* and *C. vestita* require less compost than the stronger growing *C. Regnieri*; a layer of about an inch deep over the crocks being sufficient for the former and 2 inches deep will be better for *C. Regnieri*. *Cœlogynes* I pot in a mixture of loam, cow manure, osmunda fibre and moss in about equal proportions, using shallow pans or baskets for the purpose. They must have an abundant supply of water and frequent applications of weak liquid manure during their growing season until the new bulbs have matured. By that time the flower spikes will have made their appearance, to stay dormant until their time for flowering, which is usually in January and February unless forced or held back. Keep them dry and cool in winter; the temperature of the *Cattleya* house suits them in summer.

MILTONIAS AND ODONTOGLOSSUMS

Miltonias and *Odontoglossums* are very beautiful, but their flowers come rather late in the season. They are rather difficult to manage during the hot summer months, and beginners had better go slow on them at first. There are plenty of other good and beautiful orchids which might be easy to grow and their flowers could readily be sold, but the first cost of the plants is generally too high to make it a safe investment.

Vanda cœrula is all right—a good seller if one can grow it. I can't, so will not give any advice on the matter.

The above list could be extended but my intention in these notes was to give brief notes on only those that can be profitably grown by the average florist and to point out their characteristics and cultural needs for the information and instruction of any one interested in learning something of commercial orchid growing.

M. J. Pope

HORTICULTURE

VOL. XII

AUGUST 20, 1910

NO. 8

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—George Asmus, President-elect Society of American Florists.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	265
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—John J. M. Farrell—Illustrated—Cattleyas, Browallias, Cocos, Geranium Cuttings, Myosotis, Sweet Peas, Repairing the Heating Apparatus.....	265
PROFITABLE ORCHIDS FOR THE CUT FLOWER MARKET—M. J. Pope.....	266
SOCIETY OF AMERICAN FLORISTS:	
The Opening Session—President's Address.....	269
Secretary's Report.....	271
Treasurer's Report.....	272
The President's Reception—Wednesday's Sessions—Baltimore the Next Meeting Place—Thursday's Sessions—Election of Officers—The Exhibition.....	273
Ladies S. A. F.—Convention Notes.....	274
CLUBS AND SOCIETIES:	
American Association of Park Superintendents.....	274
Florists' Hail Association.....	275
SEED TRADE:	
Crop Notes on Corn—The Pea Pack—The Bean Crop—Canners' Convention.....	280
OF INTEREST TO RETAIL FLORISTS:	
St. Louis—Steamer Departures.....	282
Flowers by Telegraph—New Flower Stores.....	283
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago.....	285
Cincinnati, Philadelphia.....	287
MISCELLANEOUS:	
Personal	275
Obituary—Louis Dragon.....	275
St. Louis Notes.....	279
Catalogues Received.....	280
Cement Benches.....	280
Incorporated	280
In Bankruptcy.....	280
News Notes.....	280
Cincinnati Notes.....	282
Chicago Notes.....	283
Philadelphia Notes.....	287
Greenhouses Building or Contemplated.....	292

The

Hail Association

One of the most utilitarian results which were the outcome of the awakening of the cooperative spirit among the horticultural forces a quarter of a century ago was the establishment of the Florists' Hail Association. Its work has been more than

communistic—it has been philanthropic in spirit and in operation and a great credit to those who have nursed and developed it to the high efficiency and extended usefulness which is set forth so plainly in Secretary Esler's report which we present in this issue. The institution has done all it promised and has done and is doing it well.

An object and a leader

Well-meaning people have frequently been heard to speak of the Society of American Florists' Convention as a serious burden on the community in which it is held and to decry the efforts made by their hosts to provide entertainment for the visitors as being likely to discourage other places from any disposition to have the Society visit them. While this may have a certain basis of truth yet it seems to us that the other side of the question is very often overlooked—the compensating advantages that come to the town or city assuming this so-called burden. One cannot fail to notice how the prospect of any such happening inspires and infuses with new enthusiasm for the National Society and its activities large numbers of those within whose social and business circle any event such as a Convention or Exhibition is to take place. All that is required to awaken the latent forces at such a time is the well-directed effort of a hustling and popular leader possessed of good executive ability. Massachusetts is especially fortunate this year in this respect and is to be congratulated on the splendid showing made by the Bay State florists under their efficient State vice-president.

Another Monument

A Spokane man has submitted a proposal to the national apple show to erect a mammoth monument to Adam and Eve in one of the apple belts of the northwest. There have been monuments and monuments erected to all kinds and conditions of men and dieties and it cannot be denied that if this notorious pair are ever to have a monument it is high time it was started. It is not stated yet what particular incident in their history the gentleman proposes to commemorate but presumably it is their eating of an apple, an act which, if all accounts are true, did not prove an unqualified luxury. We are told by Jackson Dawson, who knows a lot about apples, that the original of this luscious fruit as we know it at the present day was not larger than an ordinary Boston bean and Mr. Dawson thinks Adam must have been an easy mark for Eve on the occasion of her historical presentation to him of a specimen. The apple has had a considerable place in human history—authentic or legendary—as, for instance, in Newton's discovery of gravitation through seeing an apple fall. The row over the famous apple of Discord, Prince Ahmid's apple that cured every disorder and the green apple which proved the undoing of "Poor little Johnnie and his sister Sue," not to mention the apple-pie which is one of the bulwarks of our civilization. Let us have the monument by all means.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Twenty-Sixth Annual Meeting at Rochester, N. Y.—The Exhibition
One of the Best

Baltimore, Md., the Next Meeting Place

Officers Elected

PRESIDENT—George Asmus, Chicago, Ill.

VICE-PRESIDENT—R. VINCENT, JR., White Marsh, Md.

SECRETARY—H. B. DORNER, Urbana, Ill.

TREASURER—WM. F. KASTING, Buffalo, N. Y.

The twenty-sixth annual meeting of the Society of American Florists and Ornamental Horticulturists was called to order by Mr. Fred W. Vick, President of the Rochester Florists' Association at 2.30 o'clock, Tuesday, August 16th, at the Convention Hall in Rochester, which was also the headquarters for the Trade Exhibition. The audience was fully the equal of any in recent years numerically and in the representation from all sections.

Mr. Vick introduced his Honor Mayor H. H. Edgerton, who welcomed the convention to Rochester, and said that its citizens were proud of the florists and proud of their own name of "The Flower City." In extending the freedom of the city he hoped that all would so enjoy the occasion as to wish to come again and come often.

Mr. Vick next introduced Mr. George Dietrich, President of the Rochester Chamber of Commerce, who spoke of the good city government enjoyed by Rochester, and referred to its diversified industries and number of homes all of which would be found to boast of lawns and flowers. He congratulated the Rochester florists and briefly outlined the progress of the city in its development from flour to flowers, its first cognomen being the "Flour City," which later became the "Flower City," and added his emphasis to the welcome voiced by the Mayor.

Mr. Robert Craig, of Philadelphia, responded, complimenting Rochester on its ability to take care of large bodies of men assembled in conventions. It is the only city so far as Mr. Craig knew that has adopted for its civic emblem a flower, the delight of the florists. Mr. Craig feelingly referred to the life and labors of George Ellwanger, Patrick Barry and Jas. Vick, and a host of others whose careers of usefulness are familiar to all florists, and whose work has done so much to make Rochester famous as a horticultural center. The cordial greeting extended, he declared, was warmly reciprocated, and the visitors were glad to be in Rochester and proposed to make the most of their visit. They had brought with them a few examples of the plant growers' art which would doubtless interest the

people of Rochester. He said in conclusion that there was a growing sentiment, he thought, in favor of the spring season for a convention and exhibition because at that season florists' plants are seen at their best.

Patrick O'Mara, of New York, obtaining the floor, made a neat speech presenting to President Pierson a beautiful ivory gavel, with trimmings, a gift from the New York Florists' Club. Mr. O'Mara felicitated President Pierson upon the efficient work that he has already accomplished, and suggested that he show no favors to the donors when he had occasion to use the gavel, and however he might wield it he felt sure he would never prove to be a "knocker," but when he finally, in the course of events, turned the office over to another, he would leave a record that few could equal and none surpass.

President Pierson in accepting the gavel returned his acknowledgements to the New York Florists' Club. He assured his hearers that the gift was none the less acceptable and appreciated because it had been unlooked for.

The Presidents' address followed.

PRESIDENT'S ADDRESS.

Ladies and Gentlemen—Members of the Society of American Florists and Ornamental Horticulturists:—It gives me great pleasure to address you on this occasion—our twenty-sixth annual convention. This convention marks the beginning of the second quarter century in our history. It is very fitting that Rochester, the Flower City, should have been chosen for this convention, for no city in the United States has done more to inculcate the love of horticulture among our people than has Rochester. This city was the cradle of the seed and nursery business of the United States, and has a world-wide reputation for its love of flowers and the beautiful.

Consolidation of Societies.

To my mind, one of the most important objects to be accomplished at this time is the incorporation or consolidation of the various societies devoted to special lines of ornamental

horticulture into one homogeneous, harmonious whole. By this I do not mean that the different societies, such as the Carnation Society, the Rose Society, and the other kindred organizations, should lose their individuality or identity, but that, instead of being separate organizations, they should become sections of the National Society, each devoted to its own individual interest, but incorporated into one powerful organization. This is the day of concentration, and now, it seems to me, is the psychological moment for the unification of the different horticultural interests.

You may ask how this is to be done; and it is a pertinent question. As my friend Patrick O'Mara has expressed it, "We need a Moses to lead us out of the wilderness into the promised land." If I remember correctly, this promised land flowed with milk and honey; so it would seem as if the object to be attained was worth striving for. I do not want you to mistake me as expecting to be the "Moses" to lead you out of the wilderness of the numerous and varied interests represented by the different horticultural societies.

This subject has been uppermost in all our minds for years, and the question of affiliation has been threshed out, and it seems to me as if we might accomplish in a concrete and practical form, what we have been theorizing about for years, in the mid-winter convention, which it is now proposed to hold in connection with the National Flower Show, to be held in Boston next spring, the Executive Board having recommended that a special meeting of the society be held during the time of the National Flower Show; and I sincerely hope that this recommendation will meet with your approval and be adopted—especially in view of the fact that the American Carnation Society has already fixed that date for holding its annual convention, and the American Rose Society has also agreed upon that date for holding its annual convention, and, I trust, we may have the co-operation of all the other societies as well.

This is directly in line with what I have in mind at this time as a desirability. In other words, I believe that,

instead of having a convention of the Carnation Society in January, a convention of the Rose Society in March, and a meeting of the Sweet Pea Society in the summer, it would be better if these different meetings were held at one time under the auspices of the Society of American Florists.

This would afford us an opportunity to test the desirability and advisability of such a mid-winter convention before committing ourselves definitely to any change of plan. There are a great many arguments that can be advanced in favor of the summer convention, such as we have always held, and there are other arguments in favor of the mid-winter convention.

There are some who advocate doing away entirely with the summer convention of the society and substituting a mid-winter convention; but at this time I should not want to advocate so radical a change. The secretary was directed to send each member of the society an inquiry as to whether he would find it more desirable or convenient to attend a summer meeting or a meeting during some month in the spring; so we shall soon have this information available. I do not know why it would not be advantageous for the National Society to hold a semi-annual convention instead of an annual convention, as in the past. The summer convention has its advantages for plant exhibits, but gives no opportunity for an exhibition of cut flowers, practically, of any kind.

To Interest the General Public.

Last year, at Cincinnati, there was some considerable discussion as to the desirability of making our exhibitions of such a character as to interest the general public, but on account of lack of room at Rochester, there being such a demand for space by exhibitors, it was found impossible to carry out that suggestion at this time. There is no doubt but the general public is very much interested in our conventions, and it is very desirable that our exhibits should be of such a character as to interest the public, and help floriculture generally in the different cities where we gather from time to time. A mid-winter convention would offer a magnificent opportunity for this purpose, and I believe that the coming National Flower Show will demonstrate the desirability of a mid-winter meeting,—possibly not on such an elaborate or extensive a scale as will be attempted in Boston next year, but along those general lines. I do not see why our interests are not of enough importance to justify these semi-annual gatherings. It certainly would require less of an outlay of both time and money to attend the consolidated semi-annual meeting than to attend all the various smaller meetings.

Also the Retailer.

An exhibition in mid-winter would also interest the retail section, as it would afford a splendid opportunity to the retail florist to show what can be done in artistic arrangements, and would give him an excellent opportunity of reaching the public in the most effective way. I was particularly pleased to have President Valentine organize a retail section last year. I believe it will conserve the interests of the large number of men who buy and dispose of the products of the

growers, and will be productive of great good to the retailer and grower.

The Secretaryship.

If an affiliation can be accomplished, I would suggest the desirability of having the secretary of the National Society, also the secretary of all the affiliated societies. I think this would tend to greater efficiency and economy. I would also suggest that the presidents of all the affiliated societies be made members of the Board of Directors, thus giving each society a voice in the management of the affairs of the national organization.

Along these lines, it might be apropos for me to mention what I have had in mind for a long time, and that is that our interests are large enough and important enough to justify the employment of a secretary who shall devote his entire time to the advancement of the interests of our society. Our presidents are appointed for only one year, so that it would be desirable to have one executive officer whose term of office should be more or less continuous. We are to have submitted to us at this time an amendment to the constitution relative to the election of a Board of Directors. I am firmly of the opinion that we would more nearly follow out our ideas of a democratic form of government by the election, rather than by the appointment, of directors; in fact, I believe that the offices of the president, vice-president and directors should all be elective, and that the office of the secretary and possibly of the treasurer, should be appointive. So far as the treasurer is concerned, I am not so insistent that his should be an appointive office; but I believe that the secretary should be appointed by the Board of Directors, and that his tenure of office should not be subject to any uncertainty, as long as he does his work well, and satisfactorily to the Board of Directors. Constituted as we are as a society, it is desirable that some one should occupy this office who is familiar with the situation and who can give it his entire time and attention. I believe that the extra expense involved would be money well invested.

You may ask what there is to do that requires a man's entire time. Our committees as now constituted, with one man in one city and another in another city, are unwieldy and unworkable, and are too far apart to do effective work. Those who have served on these committees will bear me out in this statement. Take, for instance, the question of legislation alone. It is becoming necessary that there should be some check upon the various bills that are introduced both in Congress and in the state legislatures, many of which in the form in which they are introduced are inimical to our interests. There is also the question of the regulation of express rates, tariff, and other matters requiring constant attention and supervision.

To Increase Membership.

Another matter to which more attention should be given is an increase in the membership of our society. This has been talked of often before, by many presidents who have preceded me; and, while a great deal has been accomplished in the past by those who have occupied this office, we all

admit that we do not have as many members in our society as we should have. There are a great many who do not fully realize what a great benefit the Society of American Florists really is, and what good a society of earnest workers can accomplish with the proper support. I believe it is the duty of every man in the business to belong to our national organization.

In regard to the recommendation of the Executive Committee fixing the life membership fee at fifty dollars, I expressed myself at length on this subject at the last convention. I believe that fifty dollars is none too much for a life membership in our national organization. Many local clubs and smaller societies charge as much as this, or more. The right way to succeed is not to cheapen the life membership, but to increase the value of the organization, so that a man will be willing to pay almost any price for membership in the society.

To Increase Annual Dues.

Further, I believe that the annual dues might well be increased from three to five dollars. It seems to me that five dollars is little enough for a membership in our society. Now, every member attending a convention gets more than five dollars' worth of entertainment alone, to say nothing about the other benefits derived therefrom. A member of the society who pays his annual dues of five dollars for ten years consecutively might be made a life member, and the payment of further dues cease. I think that an inducement such as this would prevent a great many from allowing their membership to lapse, as has been the case frequently in the past.

I would also recommend for your consideration that any member of the society, to be eligible to the presidency should have first served on the Board of Directors. My reason for this is because such a man elected to the presidency would have familiarized himself with the detail work of the society, and, consequently, be better equipped to act as the chief executive officer of the society.

The National Flower Show.

I wish to call the attention of the members to the most important event of the year, namely, the organization of the National Flower Show, which is to be held in Boston next spring. A guarantee fund of over \$10,000 has been raised, Mechanics' Hall—the finest hall in the city of Boston—has been leased, and a manager and secretary engaged; and everything points to a successful show. The first national flower show was a great success, but the second, which is to be held in Boston next spring, is the most ambitious project that has ever been attempted in this country; and I believe that every live florist should endeavor to attend this exhibition, as it undoubtedly will be the finest one of flowering plants that has ever been gathered together in the United States at one time. No effort will be spared to make this magnificent exhibition a success. Premiums aggregating over \$10,000 will be offered. There is no place in the country where such a magnificent collection of plants can be collected as in the vicinity of Boston; and I ask the hearty support of every member of the national organization to make this exhibition a red letter

day in the annals of horticulture in this country.

I have to congratulate the society on the splendid exhibition in Convention Hall at this time. The value of these trade exhibits to the society cannot be over-estimated, as they are of great educational, as well as financial benefit.

I want to express to the Chamber of Commerce of the City of Rochester at this time, on behalf of the Society of American Florists, our appreciation of the magnificent building which has been tendered to the society without cost. I think you will all agree with me that we have never had finer facilities at any of our conventions.

I wish, also, to congratulate the society on the splendid attendance at this convention. The vice-presidents should be commended for the splendid work that they have done in bringing here such a large representation as we see here today.

In conclusion, let me urge every member of the society to feel that our future success depends not so much upon the officers elected from time to time, as upon the individual effort of each member. Looking back over the last twenty-five years of horticulture in this country, one cannot help but feel proud of the progress that has been made in our profession; and amidst such auspicious surroundings as we find ourselves today, we should be inspired to greater effort, that the history of the next quarter-century may record even greater progress.

SECRETARY'S REPORT.

Secretary H. B. Dornier presented his report.

The books and other properties pertaining to the Secretary's office, were turned over by the outgoing Secretary early in January. Much commendation is due Mr. Rudd for the excellent and simple system that he has devised for the keeping of accounts and records. It is only by a careful examination of these that one can fully appreciate the thought and labor put into the work.

Condition of Finances.

The finances of the Society are steadily improving. The Permanent or Life Membership fund at August 1st, had reached the sum of \$8,313.50, and to this amount will be added \$125 for five new life memberships which have been received since that date. A full financial statement will be given separately.

Membership.

It is also gratifying to note that the membership is also gradually increasing. In 1908 the membership of the Society was 889 at the end of the year. In 1909 this had increased to 995. Up to August 10th, 1910, the paid up membership number 825, which, with those who pay their dues during the convention week and the new members joining at this time, promise to surpass all records.

New Members.

The number of new members added to the roll to date is 77. Four of these came in as life members. The Secretary sent out, with most of the receipts, a request that each member make an effort to secure at least one new member. In reply to this four or five names were sent in. Few realize

SECRETARY'S FINANCIAL REPORT.

Year Ending December 31, 1909.

RECEIPTS.

Dues 1908— 22.....	\$ 66.00		
" 1909—579.....	1,737.00		
" 1910— 6.....	18.00		
" 1911— 1.....	3.00		\$1,824.00
Fees and Dues, New Members:			
1909—192.....	960.00		
1910— 2.....	10.00		970.00
Life Membership fees—52.....			1,200.00
Miscellaneous:			
Trade Exhibition, 1908.....	63.36		
Express Charges Refunded.....	.75		
Proceeds, National Flower Show 1908.....	483.17		
Trade Exhibition 1909.....	1,029.15		
Exchange included in remittances....	.95	1,577.38	\$5,671.38

PAYMENTS.

Paid Treasurer, Permanent Fund.....	1,300.00		
" " Flower Show Fund.....	400.00		
" " General Fund.....	3,971.38		\$5,671.38

STATEMENT OF ORDERS DRAWN ON TREASURER, YEAR 1909.

In Payment 1908 bills.....	\$ 468.14		
" " 1909 "	3,557.27		
" " 1910 "	107.20	\$4,132.61	
For Investment Permanent Fund.....		7,500.00	\$11,632.61

January 1 to August 10, 1910.

RECEIPTS.

Dues 1908— 1.....	\$ 3.00		
" 1909— 8.....	24.00		
" 1910—496.....	1,488.00		
" 1911— 3.....	9.00		\$1,524.00
Fees and Dues, New Members:			
1909— 1.....	5.00		
1910— 76.....	380.00		385.00
Life Membership fees—11.....			275.00
Miscellaneous:			
Trade Exhibition, 1910.....	606.90		
Exchange included in remittances....	.60	607.50	\$2,791.50

PAYMENTS.

Paid Treasurer, Permanent Fund....	150.00		
" " General Fund.....	2,228.25	2,378.25	
Amount on hand.....		413.25	\$2,791.50

STATEMENT OF ORDERS DRAWN ON TREASURER, YEAR 1910.

In payment 1909 bills.....	\$ 13.18		
" " 1910 "	1,308.21	\$1,321.39	

that if each member made an effort and secured at least one addition to the roll the membership would be almost 2,000 at the present time instead of 995. Many plans have been devised for increasing our numbers, yet how many members have made a determined effort to convince their neighbors that they should belong to the S. A. F.?

Payment of Dues.

Many members overlook the fact that dues are payable on the first day of January, and a failure to pay them at this time calls for a second notice. This is not only additional work for the Secretary but is an extra expense to the Society. This money could be well used in efforts to secure new members.

Trade Exhibition.

The Trade Exhibition of 1909, was a

success in every way, being a great improvement over former exhibits. After all bills and the Superintendent's commission were paid, a profit of \$629.15 remained in the Society's treasury. During the present year several changes were made in the rules governing the exhibition principal among which were the increasing of the rates and the limiting of all signs to black lettering upon a white ground. This latter change has done much to make the exhibit more attractive.

Investment of Permanent Fund.

Following the instructions of the Society, \$7,500 of the permanent fund has been invested by the Executive Board. This investment is in the form of two loans, one of \$6,000 and the other of \$1,500, secured by mortgages on properties located in Fort Wayne, Ind. These securities bear interest at 5 per cent.

Transportation.

Applications for reduced rates to the 1910 convention were made to all the Traffic Associations and were met by the granting of a rate of one and three-fifths on the certificate plan by the Trunk Line Association, the New England Association, The Central Association and the Eastern Canadian Association. This rate was the lowest that could be secured under the present conditions. As usual, a charge of 25 cents is made for the vising of each certificate.

State Vice-Presidents.

Many of the State Vice-Presidents made quite an effort to secure new members. Many letters were sent out, but reports show that these are not as effective as they might be, due to the fact that they are easily laid aside and forgotten. The following State Vice-Presidents have sent in new members:

E. Allan Pierce, Waltham, Mass., 1 life, 15 annual.

Geo. B. Hart, Rochester, N. Y., 10 annual.

Alex. Millar, Dallas, Tex., 1 life, 5 annual.

Fred Holton, Milwaukee, Wis., 2 annual.

Otto Koenig, St. Louis, Mo., 2 annual.

The following members also deserve credit: W. L. Kellar and Albert Sunderbruch each sent 3, F. H. Traendly and L. H. Butts each sent 2, Jacob Becker, E. Dailedouze, A. F. J. Baur, F. P. Avery and E. H. Cushman, each sent 1. Mr. W. J. Stewart sent in one life member.

Medals.

Medals have been awarded during the past year as follows:

Bronze Medal. F. R. Pierson Co., for fern, *Nephrolepis elegantissima compacta*, offered at St. Louis 1909.

Silver Medal.—Cottage Gardens Co., for carnation Mrs. C. W. Ward, offered through the American Carnation Society at their annual exhibition held at Pittsburgh, January 1910.

Bronze Medal.—Cottage Gardens Co., for carnation Alma Ward, offered through the American Carnation Society at their annual exhibition held at Pittsburgh, January 1910.

Plant Registration.

New plant names have been registered since last report as follows:

No 414—Aug. 13, 1909. *Oxontoglossum crispum* variety E. B. Baum, by Julius Roehrs Co., Rutherford, N. J.

No. 415—Aug. 13, 1909. *Canna*, New Chicago, by Vaughan's Seed Store, Chicago, Ill.

No. 416—Aug. 27, 1909. *Zonal Pelargonium*, Red Wing, by F. H. DeWitt & Co., Wooster, Ohio.

No. 417—Aug. 27, 1909. *Nephrolepis Pruessneri*, by J. D. Pruessner, Galveston, Texas.

No. 418—Aug. 27, 1909. *Nephrolepis Galvestoni*, by J. D. Pruessner, Galveston, Texas.

No. 419—Sept. 10, 1909. *Berberis Thunbergii* Silver Beauty, by M. J. Van Leeuwen, Franklin, Mass.

No. 420—Sept. 18, 1909. *Rose Climbing Killarney*, by Alex. Montgomery, Natick, Mass.

No. 421—Oct. 8, 1909. *Canna Multiflora*, by Vaughan's Seed Store, Chicago, Ill.

No. 422—Oct. 15, 1909. *Rose Priscilla*, by Peter Henderson & Co., New York.

No. 423—Oct. 15, 1909. *Rose Abundance*, by Peter Henderson & Co., New York.

No. 424—Oct. 15, 1909. *Adiantum Roederii*, by Alfred Roedder, Shorb, Calif.

No. 425—Oct. 30, 1909. *Chrysanthemum* Mrs. Jane Cockburn, by S. Cockburn & Sons, Woodlawn, N. Y.

No. 426—Nov. 20, 1909. *Canna Halley's Comet*.

No. 427—Nov. 20, 1909. *Canna* Mrs. Alfred Conard.

TREASURER'S REPORT.

JANUARY 1st TO AUGUST 10th, 1910.

RECEIPTS.

Permanent or Life Membership Fund.

Feb. 1,	H. B. Beatty,	Germania Savings Bank	\$7,724.98
Feb. 2,	H. B. Dorner,	Secretary	25.00
Feb. 15,	H. B. Beatty,	Deposit	225.00
Mar. 4,	H. B. Dorner,	Secretary	50.00
April 5,	H. B. Dorner		25.00
July 1,	Int. Germania	Savings Bank	157.60
July 1,	Int. Guarantee	Title & Trust Co.	55.92
July 6,	H. B. Dorner,	Secretary	50.00
			\$8,313.50

GENERAL FUND.

Feb. 5,	Fr. H. B. Beatty,	Checking acc.	\$1,146.69
Feb. 5,	Fr. H. B. Beatty,	Savings acc.	2,796.95
Feb. 2,	H. B. Dorner,	Secretary	245.10
Mar. 4,	H. B. Dorner		473.25
April 5,	H. B. Dorner		90.00
May 11,	H. B. Dorner		336.00
June 16,	H. B. Dorner		149.00
July 6,	H. B. Dorner		95.00
Aug. 2,	H. B. Dorner		139.90
			\$6,171.89

Gen. Fund Disbursements.....1,321.39 4,850.50

\$13,164.00

Invested as follows:

Bond & Mort.	Dunkelberg, Ft. Wayne, Ind.	\$6,000.00
Bond & Mort.	City Sub. Realty Co.	1,500.00
Germania Savings Bank,	Pittsburg, Pa.	607.58
American Savings Bank,	Buffalo, N. Y.	2,852.87
Peoples Bank,	Buffalo, N. Y.	150.00
Peoples Bank (Checking acc.),	Buffalo, N. Y.	2,063.55

Bond & Mortgage invested 5 per cent. interest. **\$13,164.00**

Pittsburg and Buffalo Sav. Banks 4 per cent. interest.

Peoples Bank on \$150.00, 4 per cent. interest.

Peoples Bank checking acc. 3 per cent. interest on quarterly balances.

DISBURSEMENTS.

Feb. 1,	To Treas. Books	\$1.25
Mar. 7,	Fid. & Casualty Bond, Premium on Bond 411550	8.00
	The Gazette, Printing	65.75
	Mt. Greenwood Cem. Assn.	5.00
	H. B. Dorner, Salary	83.33
	H. B. Dorner, Sundries	17.09
	Jacquin Co., Stationery	3.78
	H. B. Dorner, Salary	83.33
	H. B. Dorner, Sundries	5.27
April 12,	E. F. Walsh, Bond 408670	60.00
	Laurence Jones, Accountant	38.00
	Juergens & Anderson Co.	2.92
	W. N. Rudd, Trav. Ex. to Roch.	33.80
July 1,	Regan Printing House	11.00
	Rounds Truman Co.	1.78
	Rounds Truman Co. ....	.89
	J. F. Tenney Co., Engraving .....	.40
	H. B. Dorner, Salary, March	83.34
	H. B. Dorner, Salary, April	83.33
	H. B. Dorner, Salary, May	83.33
	H. B. Dorner, Trav. to Roch.	29.46
	J. A. Valentine, Trav. to Roch.	90.00
	W. J. Vesey, Trav. to Roch.	23.76
	E. Dailedouze, Trav. to Roch.	15.00
	John Young, Trav. to Roch.	17.00
	Geo. Asmus, Trav. to Roch.	33.78
	W. F. Kasting, Trav. to Roch.	3.76
July 11,	W. F. Kasting, Salary	100.00
	H. P. Dorner, Salary, June	83.33
Aug. 4,	H. B. Dorner, Salary, July	83.34
	Christy Eng. Co.	18.24
	Jas. Vick's Sons, Sundries	32.80
	Grace Mitchell, Typewriting	49.58
	A. DeForest, Plans	40.38
	C. H. Vick, Postage	16.98
	H. B. Dorner, Stam. Envel.	12.43
		\$1,321.39

No. 428—Nov. 20, 1909. *Canna* Mrs. Carl Kelsey, all by Conard & Jones Co., West Grove, Pa.

No. 429—Jan. 22, 1910. *Rose* Alice of Ingleside, by S. C. Briggs, Washington, D. C.

No. 430—Feb. 26, 1910. *Begonia* Glory of Cincinnati, by J. A. Peterson, Cincinnati, Ohio.

No. 431—March 5, 1910. *Rose* Wm. R. Smith, by Conard & Jones Co., West Grove, Pa.

No. 432—May 7, 1910. *Violet*, Marie Elise, by Thomas DeVoy's Son, Poughkeepsie, N. Y.

No. 433—May 28, 1910. *Nephrolepis Roosevelt*, by American Rose & Plant Co., Springfield, Ohio.

No. 434—June 11, 1910. *Rose* Red Killarney.

No. 435—July 7, 1910. *Rose* Dark Pink Killarney and

No. 436—July 7, 1910. *Rose* Lady Cromwell, by A. N. Pierson, Inc., Cromwell, Conn.

No. 437—July 7, 1910. *Rose* Purity, by Hoopes Bros. & Thomas Co., West Chester, Pa.

No. 438—July 14, 1910. *Nephrolepis Dreyeri*, by Kessler Bros. & G. Dreyer, Woodside, L. I.

No. 439—Aug. 4, 1910. *Carnation* Christmas Cheer, by Henry Elchholz, Waynesboro, Pa.

Necrology.

Since the last report three members have died:

Nov. 1909. Albert Richfar, Richmond, Ky.

May 3, 1910. Wm. E. Hall, Clyde, Ohio.

June 11, 1910. Dr. L. L. Lamborn, Alliance, Ohio.

On April 8, 1910, occurred the death of Mrs. W. J. Vesey, the wife of Mr. W. J. Vesey. In Mrs. Vesey's death the Ladies Society lost one of its best workers and the florists of the country one of their best friends.

Trade Press.

The members of the trade press have continued to give the Society their cordial support. The thanks of

the Society is also due them for the complimentary copies of their publications sent for use in the office of the Secretary.

Aid of the Society.

It should be borne in mind that the S. A. F. & O. H. is for the good of its members and that the Secretary is its chief clerk. Information regarding express troubles, questions regarding rates, legislation, etc., if sent to the Secretary will be placed in the hands of the proper committees for action. Such data as this will give a firmer working basis in their investigations. The Society can best help you when your wants are made known. The Secretary will always be ready to give all the aid possible or else refer your troubles to others who may be of help to you.

In closing I wish to tender my heartfelt thanks to those friends who have given me so freely of their time and assistance and who by their advice have helped make my work both easier and better.

Report of treasurer, Wm. F. Kasting, of Buffalo, N. Y., was then read. The financial portions of which were referred to the Auditing Committee: C. L. Washburn, A. L. Miller, Jos. Heacock.

The minutes of the meetings of the Executive Board were read and approved, and their recommendations concurred in at this time with the exception of action upon the appropriation for the National Council of Horticulture, which was made a special order for Wednesday morning's session.

The following were appointed as Committee on Vice-Presidents' Reports: W. B. Du Rie, Frank H. Traendly, Benj. Hammond.

In the absence of the Official Entomologist of the Society, Dr. S. A. Forbes, his report was read by Prof. J. J. Davis, and duly filed.

Prof. H. H. Whetzel, Pathologist for the Society, was introduced to the convention, and announced that he would locate himself in the exhibition hall and desired to meet there all members who had troubles to report, as he sought to learn all he could of the problems that confront the florists as to disease conditions in horticulture with a view to finding a remedy wherever possible. He promised to have something further to communicate on Wednesday regarding his plan of work.

Mr. John Westcott, Chairman Committee on Convention Sports told something of the work of that committee, and its belief that the furnishing of laudable sports was an incentive to many to attend the meetings that might otherwise remain at home absorbed in their usual routine duties. He promised that absolutely fair play should prevail in all awards, and none but amateurs and strictly members in good standing of the S. A. F. would be permitted to compete.

Mr. O'Mara, Chairman of the Tariff and Legislative Committee, made a report of an interesting character embodying a voluminous correspondence showing conditions surrounding the glass industry as affecting the florists, and other matters.

The report was received and filed, and discussion of it postponed until later on.

Further reports were deferred, and the convention adjourned to 9.30 a. m. Wednesday.

THE PRESIDENTS' RECEPTION.

This popular feature was a grand success. In the receiving line in the spacious assembly hall of the Seneca Hotel, with President F. R. Pierson, were ex-presidents W. R. Smith, Adam Graham and Robert Craig, Vice-president F. W. Vick and J. Otto Thilow. After nearly an hour of busy hand-shaking and greetings, dancing was in order until a late hour and refreshments were served throughout the evening.

WEDNESDAY'S SESSIONS.

Baltimore the Next Meeting Place.

The session of Wednesday forenoon was well attended, the active canvassing for rival contestants for the convention of 1911 bringing out a record throng. The paper on the "Use of Cement in Greenhouse Construction" by E. D. Boyer was listened to with close attention and vigorously discussed. Mr. Rudd not being present his paper was deferred. Selection of the place of meeting for 1911 brought invitations from many cities and direct nominations from two—viz., Chicago and Baltimore. The naming of these cities was the signal for uproarious applause from the respective adherents of each and the balloting was proceeded with amidst much excitement. The result showed a total of 135 votes for Chicago and 180 for Baltimore and the Monumental City was declared the winner.

The afternoon session opened with a full house and the reading and discussion of several papers. On the report of the Executive Committee recommending the appropriation of \$150 for the use of the Council of Horticulture, the gladiators of the S. A. F. arena were brought into action and after a lively tilt the resolution was defeated on a rising vote.

The nominations for officers were as follows: For president, George Asmus; vice-president, R. Vincent; secretary, H. B. Dorner; treasurer, Wm. F. Kasting, there being no contest on any office.

Professor Whetzel, pathologist of the Society, outlined a plan for cooperation along lines of investigation of plant diseases which would involve an expenditure of fifteen hundred dollars annually.

The selection of Baltimore as convention city was made unanimous on the motion of Mr. Vaughan.

At the evening session, Wednesday, announcement was made that owing to the illness of Mr. Dunbar it would be impossible for him to present his illustrated lecture. This was a great disappointment to the audience. James L. Cowles, secretary of the Postal Progress League, addressed the convention at some length in explanation of the bill pending in Congress and after discussion, strong resolutions were adopted strongly approving of said bill and recommending that all candidates for Congress be pledged to the widest possible extension of the post office.

The evening reception by ladies of the S. A. F. at Seneca Hotel was a great social event, and was largely attended. The entertainment consisted of songs by Miss Pearl Fulmer, dances

and recitations by Miss Virginia Pohlmann and others, followed by dancing and refreshments. The ladies auto ride in the afternoon was a very successful and enjoyable event and several hundred were provided for.

THURSDAY'S SESSIONS.

Thursday forenoon was occupied as arranged by meetings of auxiliary societies and co-operating interests, viz.: American Rose Society, American Carnation Society, Gladiolus Society, Sweet Pea Society and retailer's section. All these meetings were well attended and pertinent questions earnestly discussed. Full reports of these meetings will appear next week.

Thursday forenoon's session convened at 12 o'clock. J. A. Valentine made a report of progress on behalf of the retail florists section. Mr. Farquhar then addressed the meeting on the subject of the National Flower Show to be held in Boston next March, giving a detailed account of what had been done thus far in all departments of preparatory work by the various committees and the associated societies. A resolution was adopted appointing a special meeting of the Society of American Florists to be held in Boston March 26, 1911.

Election of Officers.

Election of officers was next in order and the various candidates as severally nominated were unanimously elected. Proposed amendments to the constitution were then taken up and after brief discussion on which W. R. Smith and J. A. Valentine advocated the change in method of electing officers, this matter was on motion of W. J. Stewart indefinitely postponed; a proposition to change the method of fixing the date of the annual meeting was laid on table for one year. Change of life membership fee was also disapproved. A resolution favoring state appropriation of fifty thousand dollars for construction of greenhouses at Cornell University was presented by F. W. Vick and unanimously adopted. Report of final sessions and sporting events and excursions will be given in full next week.

THE EXHIBITION.

The grand trade exhibition at Rochester, in extent, value, variety and arrangement, is in the very front rank of convention exhibition successes. Never before have the exhibits been so generally complete and the hall in order for inspection as on this occasion. Everything moved with a quietness and order which was commented upon on all sides with undisguised admiration. Following is a list of the exhibitors and their goods. We should like to give a much more detailed description of many of them, but lack of room compels brevity.

Henry F. Michell Co., a very comprehensive array of florists' and gardeners' sundries, greenhouse requisites, flower pots, seeds, bulbs, cold storage bins and a new and highly recommended orchid pot.

A. T. Roddington, a superb display of lilies and other bulbs of high grade quality; mushroom spawn; dracaena canes; lily of the valley slips; palm seeds; and gladiolus blooms of named varieties.

Robert A. Atkins, extensive group of large palms and ornamental conifers in tubs.

W. A. Merrill, large and attractive group of stove and greenhouse plants and orchids, among the novelties being Polypodium Mandaianum.

Lager & Hurrell, established and newly imported orchids in large assortment; represented by G. W. Strange.

T. M. Miller, Miller's Pride seedling geranium, beautiful salmon pink deepening toward the center.

E. E. Stewart, display of gladiolus blooms, choice named varieties.

R. Hammond Tracy, display of Gladioli; dining table and mirror decorated with gladiolus blooms, etc.

A. Dietsch Co., greenhouse fittings, ventilators and construction material.

Morehead Mfg. Co., condenser traps and return traps.

Benjamin Hammond, a very attractive display of the well-known specialties of this house, including slug shot, greenhouse paint and putty, copper solutions, kerosene emulsion, lawn fertilizer, etc.

Wilson-Hoyt Co., concrete bench.

American Blower Co., return steam traps.

Binley the Florist, patent flower-holders, Storrs & Harrison Co., greenhouse plants and hardy roses.

A. H. Hews & Co., a complete collection of flower pots, jardinières, pans and orchid pots.

J. J. Williams, chenille and florists' letters.

Henry A. Dreer, a very large general display including fall planting bulbs, gladiolus blooms, glazing points, etc. and a rich group of large palms and florists' plant stock in commercial sizes.

B. S. Blake & Son, stake holder.

Conard & Jones Co., rose plants and Illinois Self-watering flower boxes.

Chas. Eble, large group of Phoenix Roebelenii.

Lord & Burnham Co., model greenhouse, complete line of pipe hangers, automatic air headers cast-iron fittings, branches, etc. Section of curved eave, iron frame greenhouse, with new cast-iron indestructible bench.

Hitchings & Co., Section of curved eave greenhouse; sectional boilers and all the fittings used in greenhouse construction including new long-run gear; in charge of John N. McArthur and J. B. Jackson.

H. Bayersdorfer & Co., very extensive display of florists' material. Metal designs, artificial flowers and foliage, wreaths, baskets imported and domestic in large variety, wheat sheaves and promiscuous supplies; Martin Reukauf, S. Green, S. H. Bayersdorfer and I. M. Bayersdorfer, in charge.

George B. Hart, florists' willow baskets, aster blooms, ferns and vases, novel wire designs and baskets.

Ellwanger & Barry, nursery stock, including a superb collection of ornamental conifers, buxus and Japanese maples.

W. H. Elverson Pottery Co., standard flower pots.

Burlington Willow-ware Mfg.; Artcraft baskets.

Lion & Co., ribbons.

H. W. Koerner, named gladioli.

Ionis Pottery Co., flower pots.

Joseph G. Neidinger, florists' supplies and novelties.

P. L. Carbone, art pottery and basket novelties.

Non-breakable Flower Vase Co., flower vases.

R. & J. Farquhar & Co., a collection of hyacinth and tulip bulbs of unequalled quality. The hyacinth bulbs are the finest we have ever seen.

Climax Mfg. Co., folding boxes.

Wertheimer Bros., florists' ribbons.

Roseville Pottery Co., flower pots and art jardinières in beautiful designs.

Reed & Keller, a very extensive display of the well known specialties of this house, including wire frames in novel designs; vases and table ornaments, baskets, pedestals, sheaves, etc.

Schloss Brothers, ribbons.

M. Rice & Co., a very extensive and beautiful display of florists' supplies, including many novelties in baskets, etc., never shown in this country before. An exhibit of great interest to the florist trade.

Peters & Reed Pottery Co., flower pots.

Wm. J. Bons & Co., flower boxes.

H. D. Mann Co., florists' supplies.

S. S. Peacock-Meehan Co., very large exhibit of ribbons, including many new shades and tints.

Edwards Folding Box Co., florists' folding boxes.

Syracuse Pottery Co., complete collection of flower pots in all sizes.

L. B. Bazine & Son, greens.

Chas. Apelt, Armadillo baskets.

Detroit Flower Pot Mfg. Co., flower pots.

National Clock & Electric Mfg. Co., thermostatic instruments.

H. J. Smith, greens.

Stumpp & Walter Co., very extensive display of horticultural sundries, garden supplies, bulbs, insecticides, etc.

I. L. Pillsbury, carnation staple.

Kitts Mfg. Co., hydraulic damper regulator.

Wesley Wait, interlocking steel greenhouse tables.

Kroeschell Bros. Co., 1910 Model Kroeschell boiler; Kroeschell tubing system; generator; shaking and dumping grate; in charge of Fred Lautenschlager.

George M. Garland Co., Garland steel truss greenhouse; iron gutters; ice clearing header; cement post mold; carnation wire stringers and several other specialties; in charge of H. S. Garland and B. Maynard.

John C. Moninger Co., greenhouse building material.

William Moll, Ideal pipe clamp.

Taylor Steam Trap Co., steam traps.

Foley Mfg. Co., Louisiana red cypress; Foley ventilating apparatus and other greenhouse construction material.

United States Radiator Corporation; Furman steam and hot-water boilers.

King Construction Co., King construction iron frame boiler-house, practically fire-proof. Model of iron frame greenhouse; also pipe hangers. In charge of C. H. Twinn.

Wm. F. Kasting Co., display of florists' vases, flower jars and jardinières, Lorraine begonias and Harrisii lily bulbs.

The McFarland Organizations; samples of high class printing in colors; also exhibit of autochrome process photography.

J. A. Peterson, begonia, "Glory of Cincinnati," and other types; Dracaena Lindenii and Phoenix Roebelenii; an attractive group.

The Advance Co., ventilating apparatus and greenhouse fittings; in charge of H. R. Packer.

J. G. Harrison & Sons' Nurseries; privet and peaches, shade and ornamental trees.

John Lewis Childs, gladioli, some 150 vases.

Vaughan's Seed Store, forcing bulbs in large variety.

Shaw Fern Co., evergreens and ferns.

Arthur Cowee, his usual magnificent display of choice varieties of gladioli, comprising about six thousand spikes.

Chas. D. Ball, group of well-finished kentias, etc.

George A. Kuhl, group of nephrolepis, in several varieties.

Lemuel Ball, group of kentias, etc.

Jackson & Perkins Co., collection of hardy roses, also forcing bulbs.

Brown Bros. Co., ornamental nursery stock.

E. A. Beaven, fadeless green sheet moss.

Frank Banning, gladiolus Niagara, an attractive pale pink bloom.

Crowl Fern Co., florists' greens.

D. B. Long, trade-promoting specialties.

S. A. Anderson, Lorraine begonias and artificial poinsettias.

Robert Craig Co., Lorraine begonias in several types; ferns and palms in beautiful finish and great variety. The handsomest group of Crotons we have ever seen at any exhibition in this country, colored to perfection. Exhibit in charge of William Craig.

Vick & Hill Co., pot-grown asters, remarkably attractive, well grown and well flowered; also cut blooms of asters in named varieties; high grade petunias.

Henry Eichholz, carnation Christmas Cheer.

George Giatras, Nephrolepis Giatrasii.

F. R. Pierson Co., occupied the entire front of the stage with a magnificent group of nephrolepis in all the new and beautiful varieties which have originated at their place; also fine collection of bulbs for fall planting.

Kessler Bros. & G. Dreyer, Nephrolepis Dreyeri.

Joseph Trandt, New Sweet Alyssum, variegated, Little Gem in pots.

J. E. Mathewson, plant supports.

Julius Roehrs Company, a handsome group of palms, bays, stove plants, Lorraine begonias and Colasia Pride of Castle Gould, a novelty of which Messrs. Roehrs have purchased the entire stock.

James Vick's Sons put up a wonderfully fine display of garden flowers, such as lilies, petunias, Drummond phlox, etc., in great profusion. A panel about 30 feet long was suspended above, constructed of white asters with the words "Vick Rochester" in purple asters.

E. J. Schwabe, basket effect boxes.

J. D. McLaughlin Co., gummed tape, etc.

W. R. Graves, beautiful floral photographs.

N. L. Crawford, gladioli.

Mallory & Bridge, gladioli.

Chilton Co., post cards.

E. C. Brown, sprayers.

A. Bowdler, ventilators.

Quaker City Machine Co., ventilators.

J. C. Hatcher, Asparagus Hatcheri.

LADIES' S. A. F.

The annual meeting of Ladies' S. A. F. was held on Wednesday, at Seneca Hotel. It was voted to offer a handsome vase costing fifty dollars for award at the National Flower Show in Boston. Election of officers resulted as follows: President, Mrs. J. V. Phillips, Brooklyn, N. Y.; vice-president, Mrs. Julius Roehrs, Jr., Rutherford, N. J.; second vice-president, Miss M. Vesey, Ft. Wayne, Ind.; secretary, Mrs. C. H. Maynard, Detroit, Mich.; treasurer, Mrs. A. M. Herr, Lancaster, Pa.

CONVENTION NOTES.

The following characteristic letter was received by John Westcott from Ex-treasurer Beatty, Atlantic City, N. J.

"Dear Commodore, Mrs. Beatty joins me in best wishes to our friends and yourself. May you all have the bestest of all best times.
H. B. BEATTY."

The Convention Souvenir Album is in all respects worthy of the occasion, a credit to the men who worked so industriously to make it a success and, no doubt, will be preserved and prized during the life time of many of the participants in the occasion which it so fittingly commemorates.

The Boston party was much the largest to attend a convention in many years, practically filling three special Pullman cars. They had an amusing experience on the way when six were left behind while appeasing their appetite at the Syracuse depot. They followed on a train directly after and reached the hotel in Rochester as soon as the regular party and had the satisfaction of having their friends carry their luggage for them from the train to hotel.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The second day's meeting was devoted to visiting the capitol, the Mount Pleasant Press (The J. Horace MacFarland Printery), and Island Park. Viewing the sunset from Front St. Park was postponed on account of a very heavy wind and rain storm.

An executive meeting was held at which the officers for the ensuing year were elected as follows: Wm. J. Zartman, Brooklyn, N. Y., president; W. H. Dunn, Kansas City, Mo.; Chas. E. Keith, Bridgeport, Conn.; James B. Shea, Boston, Mass.; Dr. Frank Baker, Washington, D. C.; W. R. Adams, Omaha, Neb., and J. W. Thompson, Seattle, Wash., vice-presidents; F. L. Mulford, Harrisburg, Pa., secretary-treasurer. Secretary Mulford's report shows the association to be in a most flourishing condition.

The evening session was held in the lecture room of the Mt. Pleasant Press.

Peter Bisset of the office of Plant Introduction of the Bureau of Plant Industry gave an exceedingly instructive lecture on new plant introductions. George W. Ehler spoke on the use of parks and play grounds, and T. M. Baedenkoff told how the public washed.

Kansas City has been chosen for the next meeting.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Secretary's Report for Year Ending August 1st, 1910.

The number of square feet of glass insured by the 1,660 members of The Florists' Hall Association of America, is located as follows:

	Single thick glass.	Double thick glass.	Single thick glass. Extra one-half	Double thick glass. Extra one-half	Single thick glass. Extra whole	Double thick glass. Extra whole	Amount paid for losses Aug. 1, 1909 to Aug. 1, 1910.
Arkansas	17,670	21,560					
Colorado	480,907	690,923	120,763	93,340	259,555	433,723	\$5,058.81
Connecticut	4,000	112,019		43,986		2,100	
Delaware	55,002	72,245				4,200	
Georgia	6,048	3,360					
Illinois	353,735	3,401,521	69,578	527,060	75,455	713,095	334.70
Indiana	290,457	1,383,063	41,875	233,708	97,322	196,035	134.11
Iowa	385,380	1,106,339	20,701	366,908	106,989	275,605	508.22
Idaho	9,705						
Kansas	530,650	494,297	39,622	46,824	276,732	354,275	16,676.98
Kentucky	85,162	133,971	1,500		26,596	38,980	
Louisiana	2,472	13,000					
Maine	3,724	44,429		3,000	1,100		
Maryland	118,095	103,235	10,205	3,328	8,900	21,758	
Massachusetts ..	18,350	170,175	1,100	18,000		2,064	
Michigan	150,719	873,839	4,812	167,302	11,644	148,710	11.65
Minnesota	91,658	1,120,732	11,112	51,824	23,743	668,010	
Missouri	801,133	1,296,408	128,150	170,019	445,711	789,249	478.20
Montana	148,240	43,726			11,710	22,776	
Nebraska	552,232	207,062	141,214	61,749	108,396	94,811	166.88
New Hampshire ..	900	36,270					
South Dakota	18,045	39,120			34,935	16,245	86.90
North Dakota	1,492	24,978	1,492	8,725		10,113	
New Jersey	18,394	1,218,700		227,958		25,006	
North Carolina ..	22,395	50,480				3,676	96.41
South Carolina ..	2,400	14,800					
New Mexico	4,768	47,046		23,966	4,768	10,880	
New York	192,675	799,100	10,212	36,190	12,400	51,080	147.55
Ohio	721,576	2,364,385	79,476	321,568	43,154	386,386	331.13
Oklahoma	71,884	78,149	2,240	10,608	60,780	35,991	1,635.46
Pennsylvania	504,977	3,016,504	79,020	292,190	42,829	775,431	558.09
Rhode Island	616	45,297	616	34,185		9,950	
Texas	91,845	286,513		11,978	15,950	50,725	1,153.37
Virginia	45,727	80,465		1,982	1,982	28,513	
West Virginia	43,280	3,165			16,390		
Wisconsin	96,970	425,000	6,839		7,250	34,207	
Washington	12,910						
Wyoming	7,000				7,000		
Dist. Columbia ..	8,144	75,464	400	3,888	4,220	71,576	
Canada	6,844	100,396			5,844	48,996	
	5,838,181	19,997,736	771,737	2,758,304	1,711,425	5,324,166	\$27,378.46

Losses representing a breakage of 222,413 square feet of single thick glass and 82,757 square feet of double thick glass, have been paid during the year. 1,520 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$188,000.00.

Summary of Treasurer's Report.

Dr.	
To balance on hand August 1, 1909	\$7,114.68
To total receipts for year ending August 1, 1910	32,994.38
	\$40,109.06
Cr.	
By losses paid August 1, 1909 to August 1, 1910	\$27,378.46
By expenses	3,301.36
By investments	7,842.03
Miscellaneous	1.76
By balance on hand	1,585.45
	\$40,109.06

Signed, JOSEPH HEACOCK, Treasurer.

I have this day compared the accounts of Secretary and Treasurer of the Florists' Hall Association and found them to be correct, and the securities belonging to the reserve fund are intact and are deposited with the Jenkintown National Bank.

ALBERT M. HERR, Auditing Director.

PERSONAL.

Robert Simpson, of Clifton, N. J., sailed on a visit to England on Saturday, Aug. 6.

T. B. Pritchard, who was formerly manager for Graff's Flower Shop, Seattle, Wash., is now connected with the Hollywood Gardens.

Buffalo visitors: Chas. L. Baum, Knoxville, Tenn.; F. R. Mittman, of Heiss Co., Dayton, Ohio; H. E. Philpott, Winnipeg, Can.; the Pittsburg delegation and many others, some taking trips to Niagara Falls and nearby towns of interest.

Among the visitors to Boston during the past week were Mr. and Mrs. John I. Raynor of New York,

who were motoring from New York through New England and having an altogether delightful time. They took a little trip about the environs of Boston under the guidance of W. J. Stewart.

Among our advertisements it is announced that the seventh annual sale of stalls in the Boston Cooperative Flower Market will take place Sept. 3, at 9 A. M. The new location at 2 Park St. is a good one and as the store and fixtures are new also the clean, bright, up-to-date appearance is reflected from every stall and contents. As stated in their advertisement growers will certainly find it to their interests to attend this sale.

The estimated liabilities of the Association are: amount due Reserve Fund of \$3,301.20, and a few unadjusted losses, amounting to a few hundred dollars.

The Reserve Fund consists of \$22,000 in securities and \$1,301.20 due from the Emergency Fund.

The following table shows losses reported to the Secretary for the past twenty-three years and number of claims paid.

STATES.

	No. of hailstorms from June 1, 1887, to Aug. 1, 1910.	No. of losses paid from June 1, 1887, to Aug. 1, 1910.	No. of Hailstorms for year ending Aug. 1, 1910.	No. of losses paid for year ending Aug. 1, 1910.
Alabama	2	1		
California	1			
Maine	3			
Vermont	3			
New Hampshire	7	1		
Rhode Island	4			
Connecticut	10	1		
Massachusetts	12			
New York	109	19	3	
New Jersey	80	10	7	
Pennsylvania	94	75	11	12
Delaware	4	1		
Ohio	102	96	5	5
Indiana	60	57	9	3
Illinois	127	120	15	6
Michigan	29	14	2	1
Wisconsin	36	37		
Minnesota	54	63		
Iowa	117	170	2	9
Missouri	103	188	3	8
Kansas	141	236	17	48
Nebraska	69	37	1	
Arkansas	4	1		
Colorado	66	155	1	13
North Dakota	7	2		1
South Dakota	22	23	1	2
Montana	3	3		
Wyoming	5	6		
Maryland	19	9		1
Virginia	6	3		
West Virginia	12	4		
North Carolina	6	3	1	2
Kentucky	19	14		
Georgia	6		2	
Texas	35	30	4	7
Louisiana	3			
Tennessee	2	1		
Florida	1			
Mississippi	2			
Oklahoma	25	23	5	4
Dist. of Columbia ..	4			
Canada	5	5		
New Mexico	7	7		
South Carolina	1			

After paying out over \$82,000 in the last three years, an extra assessment is necessary, for the first time since the organization of the Association, to restore funds borrowed of the Reserve Fund, and put the F. H. A. upon a strong cash basis. The time of levy will be fixed by the Directors, and your officials have not a shadow of a doubt but that it will be promptly paid.

JOHN G. ESLER, Secretary.

OBITUARY.

Louis Dragon.

Louis Dragon died at his home on Warwick avenue, Lakewood, R. I., on August 8th. Mr. Dragon came to Lakewood from Woonsocket about 20 years ago and established himself on the old farm near the foot of the lake. Here he built greenhouses and ran floral and shrub wagons, becoming well known as a grower.

Dallas, Ore.—A nursery and greenhouse will be established here in the fall by H. G. Campbell and D. L. Thomas. They are now fitting up a tract of land near here for the nursery.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

A CORDIAL INVITATION

is extended to all local and visiting florists and their friends to COME AND SEE our fine collection of market plants of all kinds.

Our Boston Ferns, Pandanus, Crotons and Palms

are in first rate condition and we have a lot of young stock of all kinds that will interest you.

The Finest Stock in the West

FRANK OECHSLIN, 4911 Quincy St., Chicago, Illinois

ONE { Take Garfield Park "L" to 48th Ave. walk 5 blocks North,
FARE { or, Madison St. and 48th Ave. surface car.

APHINE'S

Increasing Popularity

As a general insecticide for destroying greenhouse and outdoor pests,

Is due to the hearty endorsements of the many expert floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of the trade.

It does all that is claimed for it, and more.

Ask your supply house for Aphine, or write us for name of our nearest selling agency.

Aphine Manufacturing Company
MADISON, N. J.

Strokum Stops Caterpillars

Bind it around your trees. Stop the third crop of caterpillars from crawling up. It is the most destructive crop of all.

Caterpillars or tussock moths cannot crawl under, and won't crawl over Strokum. The only banding substance that does the work and lasts an entire season. It is not unsightly. Guaranteed not to harm the trees. Anyone can put it on.

Send \$1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it.



George Stratford Oakum Co.

164 Cornelson Avenue, JERSEY CITY, N. J.

In writing to Advertisers kindly mention Horticulture

DREER'S PAEONIAS

We will dig our Paeonias in September, and are booking orders for September and October delivery at special prices. The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.....	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Due de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00	
Delachei. Amaranth red.....	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortelal. Brilliant crimson; full double flower	3.00	20.00	
Festiva maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
Grandiflora rosea. Brilliant rosy carmine; large and double.....	2.00	15.00	
Grandiflora Carne Plena. Flesh; sulphur centre	1.50	10.00	90.00
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose.....	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white....	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.....	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list will be mailed to florists and nurserymen in September. If you receive no copy, write for it.

H. A. DREER, Inc., 714 Chestnut St. Philadelphia, Pa.

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of NEPHROLEPIS, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

VOLUME
1
NUMBER
6

BODDINGTON'S STORE NEWS

PUBLISHED
EVERY
NOW AND
AGAIN

SATURDAY, AUGUST 13th, 1910

Remember you may deduct 5 per cent if cash accompanies order

"Quality" Christmas Sweet Peas

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. William Sim. Salmon-pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue variegated; good for variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON
SEEDSMAN, 342 West 14th Street, NEW YORK



HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

WE are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates

WHOLESALE CATALOGUE ON
APPLICATION FROM FLORISTS

Peter Henderson & Co.

35 and 37 Cortlandt St., New York

ST. LOUIS NOTES.

Fred. C. Weber, Jr., did the unexpected last week, when he and Miss Minnet Beyer were married. They got away for a honeymoon trip to Atlantic City before any of their friends had time to offer congratulations.

The St. Louis delegation got away for Rochester to attend the S. A. F. meeting on Monday, Aug. 15, at 1 p. m., going over the Big Four R. R., on a special. They were Otto Koenig, F. H. Meinhardt, H. Berning, Wm. Ossic, F. W. Bruning, J. F. Ammann, and a number of ladies, including Miss Tillie Meinhardt, president of the Ladies' S. A. F. Society.

Messrs. Kuehn, Berning, Smith and

Angermueller are at work making alterations and improvements.

C. A. Kuehn has three large floors well stocked with supplies the ground floor being used as a cut flower department. At Smith's the alterations will be completed about September first. H. Berning has taken the next door store west of him and will join it with his present location. George Angermueller is going to enlarge his place by taking in the second floor which will be used for supplies.

The twenty-first banquet under the will of the late Henry Shaw, which is controlled by the directors of the Missouri Botanical Garden, took place Thursday evening, Aug. 11th, in the Southern Hotel. The decorations were not quite so elaborate as usual.

The majority of those present were delegates to the Apple Growers, who met here for two days last week. Wm. Trelease, director of the Garden, acted as toastmaster. Invitations were also extended to florists, gardeners and nurserymen. Representative florists present were Geo. B. Windler, John Connor, Frank A. Weber, J. J. Beneke, W. S. Smith, Chas. Schoenle, and E. W. Guy, officers of the local Florist Club. Others who attended were F. J. Fillmore, J. M. Walther, Emil Schray, C. Berges-termann, H. C. Irish, J. F. Ammann, Max Herzog, Otto G. Koeing, Fred H. Meinhardt, Jul. Koenig, A. Meyer, Jr., Chas. Fulgraf and H. G. Pring.

Visitors: Will and J. Schmaus of Paducah, Ky., J. F. Ammann of Edwardsville, Ill., A. S. Halsted, E. W. Guy, Gus Grossart and H. Emmons of Belleville, Ill., Luther Armstrong and W. J. Pilcher of Kirkwood, Mo.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000.

Cash with order.

FRANK OECHSLIN

911 Quincy St., CHICAGO, ILL.

Evergreens

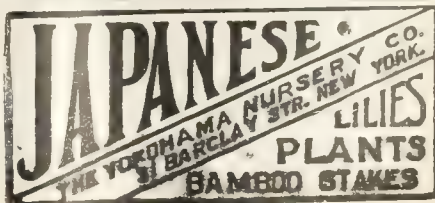
Fine Specimens

Which have been grown in *ample space* and transplanted, and are in the best condition to plant now for immediate effect. A list will be furnished on application.

All plants shipped with ball ensuring success in planting.

Ellwanger & Barry
Mount Hope Nurseries

Rochester, N. Y.



Seed Trade

Crop Notes on Corn.

There have been no important changes in crop conditions since the last seed trade notes appeared in HORTICULTURE, and it is still doubtful about what the corn crop is going to be. Beyond a doubt, it will be short but the extent of that shortage is what no one can predict at this time but it is interesting every one. The last crop report issued by the Department of Agriculture indicated that the condition of the corn crop as a whole the country over, had deteriorated six points from the June report, and it is entirely safe to say that since the first of August, corn has made no material improvement. As a matter of fact, it is generally stated that deterioration has continued and that the next report will show as marked a decline in condition as the July has from the June. While the interest of the seed trade is not as great in field corn as in the sugar varieties, it must be clear to any thoughtful person that such a falling off in condition in the field varieties must necessarily mean a low condition in the sugar corn crop. Still as stated above, definite information is not obtainable and the subject can only be treated in a general way.

The Pea Pack.

So much has been said in the last few weeks about the pea crop that it seems rather unnecessary to add anything at this time, but as some trade papers are still in the dark concerning actual crop conditions, it may be well to state the average results in several states of the canned product. In Wisconsin the average pack on the acreage planted will be something under 50 per cent, in Michigan between 50 and 60, New York State 70 to 75, Indiana something over 100 per cent.; that is, the crop this year in the Hoosier State has exceeded that of last season by at least 25 per cent., but the acreage was very much reduced. In Delaware and Maryland the pack will be about 60 to 70 per cent. of the usual output.

While these figures are not exact, they are practically official and are not likely to be very materially changed when the official figures are issued and they can be taken as correct for all practical purposes.

The Bean Crop.

Beans in the State of New York are generally promising. Every thing seems to point at this time to a liberal crop and practically free from blight or rust. In Michigan matters are not quite as cheerful as owing to extreme dry weather the crop in general is not in as fine condition as in the State of New York although as far as quality goes, things are looking exceptionally well. If unfavorable conditions do not develop between now and harvest, there should be a very fair crop of beans.

Canners' Convention.

The following has been taken from "The Canner & Dried Fruit Packer" of July 28th, and while not an important matter, should be interesting and will help out the scarcity of hot weather news. "Sometime ago it was

reported that a serious hitch had occurred in the arrangements for the next 'Canners' Convention' and that everything was in the air. This was quite true, and for reasons which were given at the time, the canners and allied associations were on the point of cancelling all arrangements made with the citizens of Milwaukee through the several committees representing the business interests. All of the trouble was caused by two or three of the leading hotels refusing to grant certain privileges demanded by the canners. While these privileges or concessions have been conceded by the other towns where such conventions have been held, it is at least debatable if such demands should have been made. However this may be, it is a cold hard fact that it has cost the Association ten dollars for every dollar it has saved for its officers, and in the face of such a statement, argument seems superfluous. This has more than once been pointed out to leaders of the canners, but they have shown a dogged persistence in their ill advised course. Well it may be accepted now as a fact that Milwaukee gets the convention. The hotel people, while not conceding all that was demanded have nevertheless made substantial concessions, and for geographical as well as other reasons, Milwaukee was the place preferred by the great majority of the canners and machinery and supply men."

CATALOGUES RECEIVED.

W. E. Marshall & Co., New York City—List of Choice Bulbs for Fall Planting. Illustrated.

Louis Van Houte Pere, Gand—Sheet of portraits of novelties and advanced types of Tuberous Begonias.

Mohican Peony Gardens, Sinking Spring, Pa.—Peony List, August, 1910. Strictly up-to-date. Creditable in all its features.

E. Neubert, Wandsbek, Hamburg.—Illustrated Catalogue of Shrubs, Lily of the Valley Pips and other specialties for the forcing trade.

Peter Henderson & Co., New York City.—1910 Mid-Summer Catalogue. Strawberries form the subject of the colored cover in this up-to-date publication.

Wm. Elliott & Sons, New York.—Trade Catalogue of Giant Flowering Bulbs and Seeds for Fall Planting. Attractively illustrated and prices are favorable for the florist.

A. T. Boddington, New York City.—Florists' Summer and Autumn Catalogue of Bulbs, Plants, Seeds and Supplies. A very complete list in compact form, illustrated and bearing "The Seal of Quality."

McFarland Publicity Service, Harrisburg, Pa.—A Year's Publicity Service. This is an "art" publication, surely. It is practically an album of the most effective flower portraits and cover illustrations in colors, special advertising plates, etc., made for the McFarland patrons. It fills the bill.

Those who have deferred purchasing French hyacinth bulbs in hopes of seeing a drop in price, will hardly profit by the procrastination, according to present advices, which indicate a shortage of the large sizes especially.

CEMENT BENCHES.

The need of a more lasting material for greenhouse benches has been felt for a long time and experiments have been going on steadily with cement in various forms of bench construction. The constant expense of repairing and rebuilding benches has been a serious loss to growers, and anything that will eliminate this expense will be most welcome. With the slight knowledge required (and the information is easily obtained), and a set of molds, cement benches can be made by anyone.

This issue contains the advertisement of E. H. Hunt, Chicago, who will mail a full description of the method of mixing the cement and using the forms which he handles.

INCORPORATED.

Brooklyn, N. Y.—The Brooklyn Cut Flower Market; capital stock, \$5,000.

Baltimore, Md.—Hewitt & Co.; capital stock, \$15,000; incorporators, Frank Hewitt, J. Frank Robertson and Addison D. Robertson.

Gulfport, Miss.—Cummings Company; capital stock, \$5,000; to do a general nursery business; incorporators, W. W. Cummings, F. B. Cummings, A. H. George and others.

Bloomington, Ill.—The Lilly Orchard Fruit Co., to do general nursery business; capital stock, \$30,000; incorporators, C. M. Noble, L. B. Merwin, C. J. Northrup, L. M. Graham and C. C. Marquis.

IN BANKRUPTCY.

New Bedford, Mass.—James H. Cleary, florist, liabilities \$2,783, assets \$1,302.

Somerville, Mass.—Frank J. Reynolds, florist, has filed a petition in bankruptcy; liabilities \$2,145, and assets \$300.

Texarkana, Ark.—The Texarkana Seed and Implement Company on Aug. 27 was adjudged bankrupt. For a number of years this concern has been handling a seed and garden implement business. Assets scheduled at \$4,531, liabilities \$3,846. G. C. Pope was appointed receiver.

NEWS NOTES.

Waverly, Ill.—The greenhouses of Case & Mathews have been purchased by J. H. Wright.

St. Albans, Vt.—It has been announced that on and after Aug. 1 George Cook will take charge of the business formerly managed by Henry Bryant.

Denver, Col.—The safe of the Park Floral Company, 1706 Broadway, was broken open the night of Aug. 2. \$50 in cash and a gold watch were taken. Nitroglycerine was used in blowing the safe.

New York, N. Y.—R. MacNiff starts in business for himself as a horticultural auctioneer at 62 Vesey street, and expects to have his new store in shape for September sales. Mr. MacNiff was formerly with William Elliott & Sons.

It is announced among our advertisements that the sale of stalls at the Boston Flower Exchange is soon to take place. We would suggest that as this market is a most excellent place to dispose of stock, all progressive growers should have a stall.



LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS
WHITE PEARL ONION SETS
 NOW READY
 LOWEST PRICES ON APPLICATION

Largest Growers of Peas, Beans and Garden Seed. Headquarters
 228-230 W. KINZIE STREET **CHICAGO**

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be shown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Pink
 Giant White, Giant Blood Red
 Giant Excelsior, White with claret base
 Picturatum, Pink with claret base, Giant Salmon

Price per 1000 seeds \$10.00;
 100 seeds, \$1.00.

R. & J. FARQUHAR & CO.
 6 and 7 So. Market St., BOSTON, MASS.

FALL BULB CATALOGUE

If you have not received a copy send for it.

James Vick's Sons
 ROCHESTER, - N. Y.

STANDARD SEED

FOR THE
 Florist and Market Gardener.
 Price list free on request.

Joseph Breck & Sons Corp.
 47-54 No. Market St., BOSTON, MASS.

MICHELL'S SEEDS ARE GOOD

Send for Wholesale Price List
 518 and 1018 Market St., Phila.

ESTABLISHED 1820

Thorburn's Bulls LILIUM HARRISII

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Price

Inquiries Solicited

J. M. THORBURN & CO.
 33 Barclay Street
 NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
 Bound Brook, - - - New Jersey
CHINESE PRIMROSE SEED
 Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
 26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds
 PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 10,000 and over, 85cts. per 1,000 acc. \$1.00

CELERY—White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 20c. 1.00
 10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
 White Marsh, Md.

Horseshoe Brand Formosa Lilies

in all sizes ready
 for immediate
 shipment.



Not How Cheap
 But How Good

Write for prices

RALPH M. WARD & CO.
 12 West Broadway
 NEW YORK

FREESIAS

	100	1000
Selected,	\$.75	\$6.50
Mammoth,	1.25	9.00

WM. ELLIOTT & SONS,
 42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'kt. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

"BUDS"

76 Barclay Street, New York
 Important to Florists and Gardeners
 New crop of High Grade Flower Seeds just arrived. (especially selected quality).
CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING
 Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.
 32 South Market Street, Boston, Mass.



**SEASONABLE
 SEEDS
 FOR THE
 FLORIST**

H. E. Fiske Seed Co.,
 Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.
 Props.
 37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

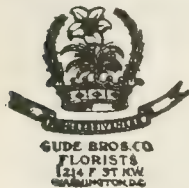
Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY Kansas City, Mo. 913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

The usual summer dull-
ness still prevails and
all the retailers are in
hopes that the end will come in the
next few weeks. Many have renovat-
ed their places during the dull days
and are ready for the opening of the
fall season. The different commission
houses are all in a state of renovation
but are handling the trade as usual.
Their stock these warm dull days con-
sists of large lots of asters the bulk of
them of poor quality; fancy grades are
scarce and sell well. Carnations are
very scarce and field grown varieties
are beginning to come in. Roses are
looking somewhat better of late, Kai-
serins are good as are the new crop of
Beauties and a few Killarneys both
pink and white. Out-door flowers con-
tinue to dominate the market.

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London, Aug. 20
Cunard.

Carmania, N. Y.-Liverpool, Aug. 20
Campania, N. Y.-Liverpool, Aug. 24

Carpathia, N. Y.-Mediterranean, Aug. 25
Ivernia, Boston-Liverpool, Aug. 30

French.

La Lorraine, N. Y.-Havre, Aug. 25
Hamburg American.

Cincinnati, N. Y.-Hamburg, Aug. 20
Holland-America.

Potsdam, N. Y.-Rotterdam, Aug. 23
New Amsterdam, N.Y.-R'dam, Aug. 30

Leyland.

Winifredian, Boston-Lpool, Aug. 24
North German Lloyd.

Koen, Luise, N. Y.-Med'n, Aug. 20
K. Cecille, N. Y.-Bremen, Aug. 23

Bremen, N. Y.-Bremen, Aug. 25
Perlin, N. Y.-Med'n, Aug. 27

K. Wilhelmin, N. Y.-Bremen, Aug. 30
Red Star.

Kroonland, N. Y.-Antwerp, Aug. 20
Finland, N. Y.-Antwerp, Aug. 27

White Star.

Cedric, N. Y.-Liverpool, Aug. 20
Zeeland, Boston-Liverpool, Aug. 23

Adriatic, N. Y.-Southampton, Aug. 24
Arabic, N. Y.-Liverpool, Aug. 27

CINCINNATI NOTES.

Weiland & Olinger are in with a nice
crop of Lil. Speciosum Rubrum.

Hyde Park Rose Co. are cutting
some excellent Taft and Ivory roses.

Mr. and Mrs. Louis H. Kyrk are
spending a long delayed honeymoon
attending the convention at Rochester.
They recently celebrated their 25th
wedding anniversary.

E. A. Beaver, of Evergreen, Ala.; L.
D. Thomson, of the C. A. Dahl Co.,
Atlanta, Ga.; Chas. L. Baum and C. W.
Crouch, of Knoxville, Tenn., stopped
at Cincinnati enroute to the conven-
tion.

The greenhouses that have been
leased for the past 15 years by the firm
of George & Allan at Hyde Park, are
being torn down. The owner F. Kin-
ney refusing to renew the lease, the
site becoming too valuable for green-
house purposes. The property will be
sub-divided into choice building lots.
George & Allan also have a greenhouse
establishment on Woodburn avenue,
Walnut Hills, and will continue busi-
ness at this stand.

Visitor: Simon J. Hider, Hillsboro,
Ohio.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

LEADING FLORIST,
GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

LET US HELP YOU

Now that the Convention is over you will always find us "on our job" and we can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At the same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILA., PA.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Heintz.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

NEW FLOWER STORES.

Peoria, Ill.—Frank E. Rue, 420 Adams street.
 Seattle, Wash.—Morris Davis, 1412 Second avenue.
 Seattle, Wash.—H. Harrington Co., Henry Building.
 Terre Haute, Ind.—N. B. & C. E. Stover, 113 South Sixth street.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
 124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
 1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
 153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

CHICAGO NOTES.

Trade Notes.

The E. H. Hunt Co. has added another main line to their telephone system and installed a switch board, the change being made necessary by their rapidly increasing business.

Aster growers are having their troubles this year as indeed they have had for several years past. The prolonged dry spell, lasting in some localities practically all summer, has almost ruined the crop of some growers. A. E. Hunt, of Evanston, says out of 5,000 plants he has only 1,300, but attributes the loss to using the same ground as last year. The aster needs a change of soil each year, Mr. Hunt says, and the 1,300 are on a different piece of ground and doing finely, notwithstanding weather conditions. A. Meyer, of Dalton, is selling some of the best asters grown here, in the Flower Growers' Market. He has some particularly fine Rochester Pink in this week, and thinks that variety well adapted to this locality if properly handled. They sold for \$3 and \$4 per 100. The crop in general will not be up to expectations, but some first class stock is seen.

Vacation Notes.

John Degnan returned from Michigan after a week's outing.

Miss Sadie Heim, of the E. H. Hunt Co., is spending her vacation in Joliet and other places.

C. M. Dickinson spends a portion of his time each week at Pelican Lake, Wis.

Louis Winkleman and Frank Wolf, of Bassett & Washburn's city force, are now away and John Horstman will leave next week.

Duncan Robertson and W. W. Adams, of the E. Weinhoeber Co., are on an eastern trip which will include Rochester and Boston.

Mr. and Mrs. Clifford Pruner left Sunday for the east. Mrs. Pruner will go directly to New York and Mr. Pruner will meet her there after the convention is over.

A. Lange and family have returned from a month at Omaha, where they visited Mrs. Lange's parents and her brother, M. Swoboda, of the firm of Hess & Swoboda. This firm report business in the west as very satisfactory and up to the average of the 20 years they have been in the florists' business.

Personal.

The Hunt Bros. have all been on the sick list, A. E. Hunt having the most serious time.

A. F. Longren has just returned from a trip through Ohio. He says the florists' supply business is very good.

The retirement of Lillian Bloom from the office of Bassett & Washburn, where she has been several years, means that the time of the wedding is nearing. Wm. Fenniger, of Toledo, O., is the happy man, and on Sept. 7th, he will come to claim his bride. Mr. Fenniger is a florist and well known to the trade.

Visitors: Geo. Blackman, of the Wm. Blackman Floral Co., Evansville, Indiana; Harry Hoffman, Jacksonville, Ill.; The Misses Hellenhals, Columbus, O.; Geo. Franks, Champaign, Ill.; A. C. Roth, Joliet, Ill.; James Cole, Peoria, Ill.; Wm. Gude, Washington, D. C.; H. V. Holton, of Holton & Hunkle, Milwaukee, Wis.; W. P. Palmer, Cherokee, Ia.; A. Amerphol, Janesville, Wis.; C. S. Peterson, Escanaba, Mich.; Jas. Wilson, Des Moines, Ia.; Joseph Heintz, Jacksonville, Ill.; John Furrow, Guthrie, Okla.; J. M. Dunlop, Toronto, Can.

The Boston Co-operative Flower Market

SEVENTH ANNUAL SALE OF STALLS

The Seventh Annual Sale of Stalls in the Boston Co-operative Flower Market will be held on Saturday, Sept. 3rd, 1910, at 2 Park St., Boston, Mass., at 9 A. M.

All growers of flowers will most certainly find it to their interests to attend this sale.

John McFarland
 SECRETARY

Elijah Cartwright
 PRESIDENT

ASTERS

Fancy, \$2.00-2.50 per 100
First, 1.50 " "
Ordinary, 1.00 " "

If in the market for a large quantity of Asters, write to us and we will quote you attractive prices.

Bronze Galax \$7.50 per case of 10,000.
The best we ever had.

LEO NIESSEN CO.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

The Raedlein Basket Company

Importers and Manufacturers of

FANCY BASKETS

Invite all florists going through Chicago to stop over and see their stock of baskets.

Two generations of Raedleins have been manufacturers of baskets in Germany and the Chicago branch has the best that your money can buy and cheaper because there are no middlemen's profits.

Close to the down town district, 713 Milwaukee Avenue.

*Under personal charge of the
Raedlein family.*

ASTERS

Queen of the Market, White Ostrich Plume

Choice stock, good flowers and good stems.
\$1.00, \$1.50, \$2.00.

W. E. McKISSICK & BROS., Wholesale
Florists
1619-1621 Ransdell St., Philadelphia

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG**WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Merton Grove, Ill.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 16		Aug. 16		Aug. 16		Aug. 18	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	20.00	to 25.00	18 00	to 25.00	15.00	to 25.00
" Extra	20.00	to 25.00	15.00	to 20.00	12.00	to 15.00	10.00	to 15.00
" No. 1	5.00	to 20.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	5.00	to 10.00	4.00	to 10.00	4.00	to 6.00	1.00	to 3.00
Bride, 'Maid, Chateaux, F. & S.	5.00	to 6.00	4.00	to 7.00	3.00	to 5.00	2.00	to 4.00
" Lower grades	2.00	to 3.00	2.00	to 4.00	1.00	to 2.00	.50	to 1.00
Killarney, Richmond, Fan, & Sp.	8.00	to 10.00	6.00	to 10.00	5.00	to 8.00	3.00	to 5.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	1.00	to 3.00	.50	to 1.00
Kaiserin, Carnot, My Maryland,								
Fancy and Special	6.00	to 8.00	6.00	to 10.00	3.00	to 5.00	2.00	to 5.00
Kaiserin, Carnot, Lower grades	3.00	to 5.00	4.00	to 6.00	1.00	to 2.00	.50	to 1.00
CARNATIONS, Nov. and Fan.								
" Ordinary	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	.75	to 1.50
" .....	.50	to 1.00	1.00	to 2.00	1.00	to .....	.50	to .75
MISCELLANEOUS								
Cattleyas	40.00	to 50.00	50.00	to 60.00	50.00	to 60.00	25.00	to 35.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.50	8.00	to 10.00	4.00	to 5.00
" Speciosum	10.00	to 12.00	.....	to .....	.....	to .....	.....	to
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3 00	to 4.00	1.00	to 4 00
Asters	1.00	to 4.00	2.00	to 2.50	1.00	to 2.00	.50	to 1.50
Daisies .....	.50	to .75	1.00	to 1.25	.....	to .....	.25	to .50
Snape-dragon .....	.....	to .....	.....	to .....	.....	to	1.00	to 2.00
Gladioli	2 00	to 6.00	.....	to .....	.....	to	3.00	to 5.00
Sweet Peas .....	.....	to .....	.35	to .75	.30	to .50	.10	to .20
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to 25.00
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to	1.00	to 1.25
Smilax	10.00	to 12.00	12.00	to 15.00	15.00	to	8.00	to 12.00
Asparagus Plumosus, strings (100) ..	50.00	to 75.00	45.00	to 60.00	35.00	to 50.00	.....	to 50.00
" " & Spre. (100 bchs.) ..	20.00	to 30.00	25.00	to 35.00	25.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,15 PROVINCE STREET,
9 CHAPMAN PLACE,**BOSTON, MASS.****HOERBER BROS., 51 Wabash Ave., Cut Flowers** ALWAYS 6000, FRESH STOCK.Long Distance Phone
Randolph 2758Telegraph, Telephone or
Bring in Your Orders.We Grow Our
Own Flowers.**Roses and Carnations Our Specialty****Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEAF
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
WANOKA	6.00	50.00
MAY DAY	8.00	75.00
ENCHANTRESS	7.00	60.00
WHITE PERFECTION	7.00	60.00
SNOW FLAKE	6.00	50.00
GEORGIA	7.00	60.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
O. P. BASSETT	6.00	50.00
DOROTHY GORDON	15.00	100.00
VICTORIA	6.00	50.00
PINK DELIGHT	15.00	
MRS. KNOPE	6.00	
CARNEGIE	6.00	

Cut Flowers of All Kinds.

Ribbons and Supplies.

S. S. PENNOCK=MEEHAN CO.

THE WHOLESALE FLORISTS OF

1608=20 Ludlow Street,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

BOSTON The warm weather of both Sunday and Monday had a depressing effect not alone upon all kinds of stock, but also upon the market itself. While prices are practically the same as last week, the demand has not been brisk. Roses are soft and short in stems and asters also show the effect of the weather. Gladiolus and sweet peas are plentiful. Indications, however, are already apparent of an improvement and with vacations almost at a close a good fall business is expected.

A good quantity of everything is to be had, on some lines too much at times. The early varieties of asters are in full swing, but the quality not up to previous years. Too many short, small blooms of ordinary quality, block the market and the cemetery florist is looked for at all times. Some good America, May and Augusta gladioli are had, but again too many ordinary mixed qualities which do not move at any price. Beauties and other roses have had a better demand, but the severe hot weather brings in the shipments in full bloom condition even when boxes are packed full of ice. Peas continue to come in, but of poor quality. Valley has had a good demand and cleaned up satisfactorily. Plenty of greens.

CHICAGO A sudden wave of business activity swept over the market at the opening of the third week in August, and all salable stock was needed to meet the demand. On that day also was all

WHOLESALE FLOWER MARKETS.—						PER 100. TO DEALERS ONLY.						
CINCINNATI						DETROIT		BUFFALO		PITTSBURGH		
Aug. 16						Aug. 16		Aug. 16		Aug. 16		
ROSES												
Am. Beauty, Fan. and Sp.....	20.00	to	30.00	16.00	to	20.00	20.00	to	25.00	15.00	to	20.00
“ Extra	15.00	to	20.00	12.00	to	16.00	10.00	to	12.00	10.00	to	12.50
“ No. 1.....	8.00	to	10.00	5.00	to	12.00	6.00	to	10.00	6.00	to	8.00
“ Lower grades.....	0.00	to	8.00	3.00	to	8.00	3.00	to	4.00	.....	to	4.00
Bride, 'Maid, Chatenay, F. & S....	4.00	to	6.00	6.00	to	8.00	4.00	to	7.00	6.00	to	8.00
“ Low gr.....	8.00	to	4.00	3.00	to	6.00	2.00	to	4.00	2.00	to	4.00
Killarney, Richmond, Fan. & Sp....	9.00	to	4.00	6.00	to	8.00	6.00	to	7.00	6.00	to	8.00
“ Lower grades.....	.....	to	.....	3.00	to	6.00	2.00	to	4.00	2.00	to	4.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	2.00	to	4.00	5.00	to	9.00	6.00	to	7.00	6.00	to	8.00
Kaiserin, Carnot, Lower grades....	.....	to	.....	3.00	to	5.00	2.00	to	4.00	2.00	to	4.00
CARNATIONS, Novelties and Fancy												
“ Ordinary	1.50	to	2.00	1.50	to	2.00	1.00	to	1.50	.....	to	2.00
“ .....	.50	to	1.00	1.00	to	1.50	.75	to	1.00	.....	to	1.00
MISCELLANEOUS												
Cattleyas.....	.....	to	.....	.....	to	.....	.....	to	.....	.....	to	.....
Lilies, Longiflorum.....	6.00	to	10.00	12.50	to	15.00	8.00	to	10.00	6.00	to	8.00
“ Speciosum .....	.....	to	.....	.....	to	.....	3.00	to	4.00	.....	to	.....
Lily of the valley.....	3.00	to	4.00	3.00	to	4.00	.....	to	.....	2.00	to	4.00
Asters .....	.50	to	2.00	1.00	to	2.00	.40	to	2.00	1.00	to	2.00
Daisies.....	.....	to	.....	.50	to	.75	.....	to	.....	.....	to	1.00
Snapdragon.....	1.00	to	4.00	50	to	1.00	.....	to	.....	.....	to	.....
Gladioli	1.00	to	1.50	.....	to	.....	2.00	to	4.00	.....	to	.....
Sweet Peas .....	.....	to	.....	.30	to	.50	.....	to	.....	.....	to	.....
Gardenias.....	.....	to	.....	.....	to	.....	.....	to	.....	.....	to	.....
Adiantum.....	.....	to	1.00	.50	to	1.00	.50	to	1.00	1.00	to	1.25
Smilax	10.00	to	12.50	.....	to	15.00	12.00	to	15.00	12.50	to	15.00
Asparagus Plumosus, strings (100)	25.00	to	30.00	20.00	to	40.00	.....	to	.....	30.00	to	50.00
“ “ & Spreng. (100 bchs.)	15.00	to	25.00	20.00	to	40.00	.....	to	.....	30.00	to	50.00

broken the drouth which in some localities had lasted since the latter part of June. The rain fall was not heavy, but came in the form of a gentle shower, lasting nearly all night, and doing untold good to the out-of-doors stock. Carnations in the field are small and growers are shy about booking any orders for fear of cutting short their own supply. Chrysanthemums also have suffered from the drouth, but the shorter and bushier plants will be the better for pots. Asters have

right of way now in cut flowers and there are some very good ones appearing in the market. The general supply of first-class stock will be small. Gladioli are seen everywhere, and these also are of good quality. Roses are far from satisfactory, but time will soon remedy that. Beauties are gaining with each week. Funeral work calls for a great quantity of flowers this month and almost everything is being used up.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 758 Madison Square New York

J. K. ALLEN
Wholesale Florist
Established 1887. Open 3 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.
REED & KELLER
122 West 25th St., New York

Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending August 13 1910		First Half of Week beginning Aug. 15 1910	
American Beauty, Fancy and Special.....	10.00	to 20.00	13.00	to 25.00
" " Extra.....	8.00	to 10.00	10.00	to 15.00
" " No. 1.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	.75	to 2.00	.75	to 2.00
" " Lower Grades.....	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Fancy and Special.....	.50	to 1.00	.50	to 1.00
" " Lower Grades.....	4.00	to 6.00	4.00	to 6.00
Kaiserin, Carnot, Maryland, Fancy and Special.....	1.00	to 3.00	1.00	to 3.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	.50	to 1.00	.50	to 1.00
" " Ordinary.....				

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664--1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

George B. Hart
WHOLESALE
FLORIST
24 Stone St., Rochester, N.Y.

Boston.—A sad accident occurred at
the establishment of H. M. Robinson
& Co. on Aug. 12, whereby one of

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

their errand boys, Joseph Murphy,
aged 15 years, lost his life. Just how
it occurred no one knows, but his
body was found crushed between the
elevator and the floor at the sixth
story of the building. The boy had
been repeatedly warned to keep away
from the elevator and his duties did
not call upon him to be on it or
about it.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



For Sale By

John C. Meyer & Co.

1500 Middlesex Street, Lowell, Mass.

Take No Other.

Flower Market Reports

(Continued from page 285)

CINCINNATI The market has assumed a more quiet tone since last report.

Large quantities of asters are received and most of them are of very poor quality and hard to move at almost any price. Good asters are bringing fair prices and meet with a ready sale. Gladioli were over abundant and only the choicest spikes moved with any degree of consistency. Beauties are improving in quality and clean up nicely. Other roses are also showing an improvement in quality and the demand is in excess of the supply. Lili-um Auratum are about done for this season. A few more Longiflorum and Speciosum lilies could have been used to good advantage. All out-door flowers are showing the effects of the hot and dry weather of the past week. Green goods of all kinds in ample supply, with a fair demand.

PHILADELPHIA The aster growers seem to have learned a little wisdom. There were not nearly as many poor asters last week. No use in cutting such stock—they won't sell at any price. There was a decrease in quantity in all grades of asters, and the quality is distinctly improved. We are proud of the stock now coming in. This looks something like the aster as it ought to be! Gladioli are still in grand shape but not quite so plentiful as last week. The features in the rose market are American Beauty and Kaizerin. A few good Richmonds in spots. Orchids very scarce. We hate to mention carnations. Speak softly, it is better far to rule by love than fear. Lots of fine outdoor things to be had in quantity.

PHILADELPHIA NOTES.

David Rust who has been laid up with a sprained ankle for three weeks returned to duty at Horticultural Hall on the 17th inst.

Clarence Watson, of the Leo Nielsen Co., has been seriously ill with acute indigestion at his home, 5027 Upland street, for the past week. No improvement was reported this writing (15th).

J. Stern, for many years in the florists' supply business in this city, has associated himself with Scharath, New York florists, ribbons and other specialties. He made a business call on his old customers the other day.

Among the delegates to the convention from Philadelphia we noted the

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 13 1910		First Half of Week beginning Aug. 15 1910	
Cattleyas	30.00	to 60.00	30.00	to 60.00
Lilies	3.00	to 4.00	3.00	to 4.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Asters.....	.50	to 2.00	.50	to 2.00
Daisies.....	.25	to .50	.25	to .50
Snapeadragon	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.25	to 1.50	.25	to 1.50
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	4.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Soren, (100 bchs).....	10.00	to 14.00	10.00	to 15.00

following: Jno. Westcott, J. Otto Thilow, Julius Wolff, S. Batchelor, P. Flanigan, Anna McIlvaine, W. Robertson, John H. Dodds, Frank Adelberger, W. Graham, E. L. Tanner, Edward Reid, Lloyd Reid, Theodore Shober, Martin Samtman, Mrs. Samtman, Fred J. Michell, Leo Niessen, Robert Craig, Mrs. Craig, Antoine Wintzer, John F. Sibson, Mrs. Sibson; a happy and care-free party that left in the highest spirits under the care of Mr. Westcott, and were to be joined by many others along the route from Philadelphia to Bethlehem.

Miss Roberts, exchange superintendent at the Pennock-Meehan Co.'s, was brought home on the 9th seriously sick, before finishing her vacation trip, which extended from Betterson, Md., to Baltimore, Washington and Norfolk. Today (15th) all right again and on duty. We extend congratulations, also a warning to all vacationists: look at the water; look in it, around it and through it, and then boil it till it bubbles good and hard.

Boil, brothers; boil with care;
Boil in the presence of the passengaire.

Richard Umfried, of P. M. Co.'s, has just got back from a vacation trip to Bermuda. He was greatly impressed with the Marine Gardens, where they take you out in glass-bottomed boats and you can see 25 feet down in the ocean depths, so clear is the water. Also the coral caves, 60 feet underground; the oleanders and the wonderful palms.

Visitors last week: E. L. Tanner of Ratcliffe & Tanner, Richmond, Va.; J. H. Nunnally, Atlanta, Ga.; Parker Thayer Barnes, Harrisburg, Pa.; J. C. Comont, of James Carter & Co., London, England.

Caldwell, Ohio.—Reisling Bros. is the name under which C. E. Reisling and F. Reisling have combined to do business. C. E. Reisling was for several years with G. L. Huscroft of Steubenville.

BOSTON FLOWER EXCHANGE, Inc.

C Park Street, - Boston

THE AUCTION

Sale of Stalls

in the original Park St. Market
will take place SATURDAY,
AUGUST 27th, at 9 a. m.

W. C. STICKEL, President GEO. CARTWRIGHT, Treasurer

In ordering goods please add "I saw it in HORTICULTURE."

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

ROBERT J. DYSART Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON
Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

ASPARAGUS

A. Leuthy & Co., Rosindale, Mass.
Asparagus Plumosus Nanus.

For page see List of Advertisers.

Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lancaster, Pa.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.

For page see List of Advertisers.

Vick & Hill, Rochester, N. Y.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.

For page see List of Advertisers.

BAY TREES

A. Leuthy & Co., Rosindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

J. A. Peterson, Cincinnati, Ohio.

Winter Flowering.

For page see List of Advertisers.

George A. Kuhl, Pekin, Ill.

Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1183
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1183 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.

For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

French Bulbs.

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.

For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.

For page see List of Advertisers.

"Buds", New York, N. Y.

For page see List of Advertisers.

Wm. Elliott & Sons, New York, N. Y.
Lilium Harrisii and French Bulbs.

For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

Carnations for Immediate Delivery.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.

Field-Grown.

For page see List of Advertisers.

Wanted—1500 Queen Carnation Plants,
300 White Enchantress, 300 Pink, 300
Beacon, 300 White Perfection, 200 Spren-
geri. Send lowest cash price, also if will
exchange for Fair Maid plants. Box 350,
So. Walpole, Mass.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.

Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.

For page see List of Advertisers.

Charles H. Totty, Madison, N. J.

For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CUSTOMS BROKERS AND FORWARDERS

Dunn, Steer & Co., Philadelphia, Pa.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more we will pay the freight
east of the Mississippi. All orders west
of the river, we pay to the river. Sam-
ples of stock and prices on request. Climax
Manufacturing Co., Castorland, N. Y.
Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

George A. Kuhl, Pekin, Ill.

Cyclamen Persicum Giganteum. Large
flowering, mixed colors, fine bushy plants,
4 inch, \$10.00 per 100. Cash. J. W. Mil-
ler, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.

For page see List of Advertisers.

For List of Advertisers See Page 292

FANCY BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Rosindale, Mass.
For page see List of Advertisers.
H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechlein, 4911 Quincy Street,
Chicago.
Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.

McHutchinson & Co., New York, N. Y.
Ferns in Flats.

Henry A. Dreer, Philadelphia, Pa.
Ferns for Dishes.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

George A. Kuhl, Pekin, Ill.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.

W. C. Erick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

E. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

T. M. Miller, Jamesville, N. Y.

For page see List of Advertisers.
Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.

Geraniums, rooted cuttings of Riccard,
Pottervine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

John Lewis Childs, Floral Park, N. Y.
GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass, Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co. Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

George M. Garland Co., Des Plaines, Ill.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GREENHOUSE TO LEASE

Sidis' Institute, Portsmouth, N. H.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip
attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbiuk & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOSE

Revere Rubber Co., Chelsea, Mass.
Garden Hose.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.

E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, extra nice field-grown
plants for next seasons blooming, with
from 3 to 12 flowering crowns. Ready for
immediate delivery at 2c. for each crown.
Satisfaction guaranteed or money refunded.
F. Langenbach, Norwich, Conn.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. B. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

INTERNATIONAL DELIVERY SERVICE

International Floral Association,
New York, N. Y.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- Henry A. Dreer, Philadelphia, Pa.
- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

MUSHROOM SPAWN

- H. F. Michell Co., Philadelphia, Pa.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordones Bros., Madison, N. J., Box 106.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards,
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY PLANTS

- Pansy Plants, Giant Flowering, 50c. per
100; \$3.00 per 1000. John A. Burns, Frank-
ford Ave., Holmsburg, Phila., Pa.

PANSY SEED

- Charles Frost, Kenilworth, N. J.
Giant Pansy Seed.
- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOENIX ROEBELENI

- O. V. Zangen, Hoboken, N. J.
Seedlings.

PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
B. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT BED CLOTH

- Plant Bed Cloth, three grades. Best
protection from sun and frost. Used for
Chrysanthemum houses, hot beds, cold
frames. Henry Derby, 123H Chambers
St., New York, N. Y.

PLANT STAKES

- Seele's Telescopic Plant Stakes and Tral-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslin, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RHODODENDRONS

- John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

- For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- August Rolker & Sons, New York, N. Y.
New Baby Ramblers.
For page see List of Advertisers.
- The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
- Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
Primula Seed.

H. E. Fliske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per
100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.
For page see List of Advertisers.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

CELERY PLANTS.—A No. 1 Trans-
planted, well rooted, the kind that grow,
no culls, White Plume and Giant Pascal.
Mail and express orders filled promptly.
Let me price you by the 100, 1000 or 5000
lots. W. C. Lester, 67 West Main St.,
Plainville, Conn.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

**WATER SUPPLY SYSTEMS, GAS-
OLINE ENGINES**

Brackett, Shaw & Lunt Co., Boston, Mass.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 28-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Weich Bros., 228 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

M. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McMannus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Nlessen Co., 1200 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St., Philadelphia, Pa.

Berger Bros., Philadelphia, Pa.
Edward Reid, Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**CEMENT BENCHES.**

E. H. Hunt, Chicago, Ill.
For page see List of Advertisers.

EVERGREENS.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.
For page see List of Advertisers.

EVERGREENS.

Ellwanger & Barry, Rochester, N. Y.
For page see List of Advertisers.

FREESIAS.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FALL BULB CATALOGUE.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

HAMMOND'S SLUG SHOT.

Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
For page see List of Advertisers.

**HORSESHOE BRAND FORMOSA
LILIES.**

Ralph M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM-FORMOSUM.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

**LOUISIANA RED CYPRESS, STEEL
TRUSSES, VENTILATING
MACHINES.**

The Foley Manufacturing Co., Chicago, Ill.
For page see List of Advertisers.

PAEONIAS.

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

SALE OF STALLS.

Boston Co-operative Flower Market,
Boston, Mass.
For page see List of Advertisers.

SUPERIOR BULBS.

Peter Henderson & Co., New York, N. Y.
For page see List of Advertisers.

SALE OF STALLS.

Boston Flower Exchange, Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

Page	Page
Advance The Co. 295	Kervan Co. 286
Allen, J. K. 286	King Cons. Co. 295
American Nursery 264	Krick, W. C. 286
Alpine Mfg. Co. 276	Kroeschell Bros. Co. 295
Aschmann, G. 263	Kuebler, W. H. 286
Barrows & Son. 263	Lager & Horrell 263
Bayersdorfer, H. & Co. 283	Langjahr, A. H. 286
Beaven, E. A. 287	Lawrence, H. V. 282
Bobbink & Atkins 276	Leonard Seed Co. 281
Boddington, A. T. 278	Leuthy, A. & Co. 263
Boston Cooperative Flower Mkt. 283	Lord & Burnham Co. 296
Boston Florist Letter Co. 287	MacMulkin, E. 282
Boston Plate & Window Glass Co. 294	Matthews 282
Boston Flower Ex. 287	McCarthy, N. F. & Co. 287
Breck, J. & Sons 281	McConnell, Alex. 282
Breitmeier's, J. Sons 282	McCray Refrigerator Co. 283
Bridgeman's Seed Warehouse 281	McCullough's J. M. Sons Co. 284
"Buds" 281	McHutchison & Co. 263
Burpee, W. A. & Co. 281	McKellar, C. W. 284
Burr, C. R. & Co. 264	McKissick, W. E. & Bros. 284
Buxton, Doane Co. 295	McManus, Jas. 286
Carrillo & Baldwin 262	Meyers, J. C. & Co. 287
Chicago Carnation Co. 263	Michell, H. F. Co. 281
Clarke's, D. Sons 282	Michigan Cut Flower Ex. 287
Cowee, W. J. 284	Millang, A. 286
Craig, Robt. Co. 279	Millang, Chas. 286
Crawback, G. W. 286	Moninger, J. C. Co. 294
Crawford, H. F. 292	Moore, Hentz & Nash 286
Dards 282	Morse, C. C. & Co. 281
Dingee & Conard Co. 264	Murray, Samuel 282
Dorner & Sons Co. 263	N. E. Nurseries 264
Dreer, H. A. 277-294	Niessen, Leo Co. 284
Dunlop, John H. 282	Oechslein, Frank 276-279
Dysart, R. J. 287	Ordenez Bros. 262
Eastern Chemical Co. 293	Ouwkerk, P. 264
Edwards Folding Box Co. 284	Palethrope, P. R. Co. 293
Ellwanger & Barry 279	Palmer, W. J. & Son 282
Elliot, W. Sons 281	Park Floral Co. 282
Esler, J. G. 295	Parshelsky Bros. 294
Ernest, W. H. 293	Pencock Dahlia Farms 264
Eyles 282	Pennock-Meehan Co. 285
Farquhar, R. & J. Co. 281	Perkins St. Nursery series 263
Fiske, H. E. Seed Co. 281	Peters & Reed Co. 293
Foley Mfg. Co. 295	Peterson, J. A. 262
Ford, M. C. 286	Pierce, F. O. 294
Freeman, G. L. Co. 262	Pierson, F. R. 277
Froment, H. E. 286	Pierson, A. N. 263
Galvin, Lhos. F. 283	Pierson U-Bar Co. 296
Gloeckner, Carl R. 281	Poehlmann Bros 284
Greater N. Y. Florists' Asso. 286	Pratt, B. G. 283
Grey, T. J. Co. 281	Raedelin Basket Co. 284
Gude Bros. Co. 282	Reed & Keller 286
Guttman, Alex. J. 286	Reinberg, Peter 284
Hail Association 295	Rice Bros. 284
Hammond Paint & Slug Shots Works 293	Rice, M. & Co. 262
Hart, Geo. B. 286	Rickards Bros. 281
Heacock, Jos. Co. 279	Robinson & Co. 284
Heini, Geo. A. 282	Rock, Wm. L. 282
Henderson, Peter & Co. 279	Rohrs, Julius Co. 262-263
Herbert 264	Roland, Lhos. 263
Hews, A. H. & Co. 294	Rolker, A. & Sons 261-263
Hillinger Bros. 293	Rosens 284
Hill, The E. G. Co. 264	Sander & Son. 262
Hitchings & Co. 296	Schlegel & Fotter Co. 281
Hoerber Bros. 284	Schultz, Jacob. 282
Home Corresp. School 292	Scott, John. 263
Horan, E. C. 286	Sharp, Partridge Co. 294
Hunt, E. H. 291	Shaidan, W. F. 286
Jacobs, S. & Sons 294	Siggers & Sigs 294
Jager, Chas. J. Co. 283	Skidelsky & Irwin 281
Kasting, W. F. Co. 286	Smith, E. D. & Co. 263
	Smith, P. J. 286
	Smith, W. & T. Co. 264
	Smyth, Wm. J. 282
	Standard Plate Glass Co. 294
	Stearns, A. T. Lumber Co. 295

Page	Page
Stratford, Geo. O. 276	Wadsworth, B. E. 263
Stump & Walter Co. 293	Wants, For Sale. 292
Syracuse Pottery Co. 293	Ward, R. M. & Co. 281
Tailby 282	Waterer, John & Sons 264
Thorburn, J. M. & Co. 281	Welch Bros. 284
Thurlo's T. C. Sons, Inc. 264	Wilson 282
Totty, Chas. H. 263	Wood Bros. 263
Valentine, J. A. 282	Yokohama Nursery series 279
Vicks, Jas. Sons 281	Young & Nugent. 282
Vincent, R., Jr., & Sons. 263-281	Zinn, Julius A. 283
	Zvolanek, A. C. 281

GREENHOUSES BUILDING OR CONTEMPLATED.

Detroit, Mich.—John Warnock, two houses.

Louisville, Ky.—N. Pontrick, one house.

Rochester, N. H.—E. A. Corson, one house.

Warren, Ohio.—E. C. Waterman, one house.

Providence, R. I.—Frederick Dietz, addition.

Newport, R. I.—Arthur Curtis, range of houses.

Allentown, Pa.—Ernest Ashly, range of houses.

Meriden, Conn.—Alexander Dallas, one house.

Rome, N. Y.—William J. Hughes, one house.

Seattle, Wash.—G. W. Scott & Son, one house.

Newport, R. I.—Mrs. William Grosvenor, one house.

Philadelphia, Pa.—W. B. Pritchett, one house 16x150 feet.

Caldwell, Ohio.—Reisling Bros., 3 houses, each 20x75 feet.

Terre Haute, Ind.—N. B. & C. E. Stover, range of houses.

Austin, Minn.—A. N. Kinsman, two houses, each 26x100 feet.

Whittenton, Mass.—Clinton Macomber, one house 25x150 feet.

Syracuse, N. Y.—Bellemey Bros., propagating house 150 feet long.

Kalamazoo, Mich.—William Van Peenan, 5 houses, each 25x100 feet.

Troy, Ohio.—L. A. Thomas, two houses 28x150 feet; one 16x150 feet.

Lowville, N. Y.—Max Reipen, one two-section house, Lord & Burnham construction.

Milwaukee, Wis.—E. Welke & Co., range of houses, Dietsch Company construction.

Chicago Heights, Ill.—G. C. Weberg, two houses, each 25x150 feet, Foley Mfg. Company material.

Gardner, Mass.—Carl J. Erickson, one house 32x92 feet and one 16x50, to replace houses burned June 28.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasant homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

The Best Place to Sell Flowers in Boston

is at Boston Flower Exchange. Growers wishing to dispose of their goods in this market can have them handled by one who has sold in this market since it opened 17 years ago, with altogether 28 years experience as salesman in Boston, with an established trade all over New England. Prompt payments, honest and square dealings, references furnished. Must make arrangements at once before sale of Stalls. Large growers preferred. Must have well-grown stuff.

Address: SALESMAN,
C Park Street, Boston.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

Good all-around grower for a Maine wholesale and retail florist, market gardening and nursery business. Send particulars as to experience, references, etc. Address Maine, care of HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED, FARM MANAGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address, "Seeds," care HORTICULTURE, Boston, Mass.

T. D. HATFIELD of Wellesley, Mass., would like to find a place for his son as assistant. He is 21 years of age and has been employed on the Hunnewell estate three years. Private or commercial.

Wanted situation on commercial or private estate; experienced in all branches under glass or outdoors. Best of reference; at liberty Sept. 1st. E. H., care of HORTICULTURE.

SITUATION WANTED as assistant, by man experienced in all branches of gardening. Private place preferred. Home desired with head gardener. Address, A. R., 22 Adams Ave., Everett, Mass.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserins good stock. 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD, Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

Sold By The Seed Dealers of America



TRADE MARK.

Registered in U. S. Patent Office

Oh when you want the business done,
By play that's strong and steady,
Just take a look at old Slug Shot,
For that's the stuff that's ready.

A LIVING TRUTH THE WORLD ROUND

IN FIGHTING INSECTS ON VEGETATION always bear in mind that you have to destroy a Living Animal Organism preying upon a Growing Vegetable Organism. You want to destroy the one and spare the other, and it is with this end in view that for full 30 years

"HAMMOND'S SLUG SHOT"

and our other preparations have so successfully and constantly been used. Akin in destructiveness to Insects comes the Blight, or Rot of the vegetable tissue itself; a plant disease, separate and distinct from insect or "Bug" ravages, but more subtle. Good growth aids greatly in resisting plant diseases, yet in many cases without extraneous help the best of plants, shrubs and trees, are scorched by blights as by fire, and in this direction, for more than a quarter of a century, we have prepared

Safe and Popular Remedies for General Use

Benjamin Hammond
Fishkill-on-Hudson N.Y.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

Imp Soap Spray

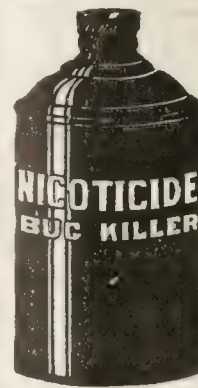
5th year most effective spray against all insect pests. Harmless to plants. No mineral poisons.

Only pray Not Poison us to Orchard Grass

Sticks, but does not spot leaves.
Single gallon can, \$1.50.
Five gallon can, 6.00.
All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating
25 lbs., \$1.00 100 lbs., \$ 9.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$2.60
Shumpp & Walter Co. 50 Barclay St. New York.



The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.
CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

In ordering goods please add "I saw it in HORTICULTURE."

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " 5.25	120 " " " 4.00
1500 2 1/2 " " 6.00	60 " " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/4 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4 1/4 " " 5.24	24 11 " " 4.60
320 5 " " 4.51	24 12 " " 4.80
210 5 1/2 " " 3.78	12 14 " " 4.80
	6 16 " " 4.90

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

If you want your greenhouse benches to last.
 If you want to lessen repair expenses.
 If you want an up-to-date plant.

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We will tell you just how to do it. We will furnish you the molds. Write for full particulars and we will tell you all about it. No expensive labor to hire—you do the work.

E. H. HUNT, 76 Wabash Ave., Chicago, Ill.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

PATENTS

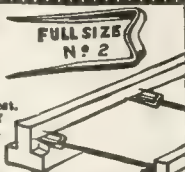
Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

BIGGERS & BIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Holds Glass Firmly
See the Point 
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

In ordering goods please add "I saw it in HORTICULTURE."

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

Do Not Place Your Orders Before Writing Us For Our Price.

GLASS

Sharp, Partridge & Co.,

22nd and Lumber Streets,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.

MASTICA
FOR Greenhouse Glazing

USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

... Cypress Quality and the Millwork ...

Both must be of the best for your greenhouses. If either is slighted the grower sooner or later suffers.

WE TAKE A PRIDE IN OUR

Louisiana Red Cypress Material

You will find it used extensively by many of

The Largest and Best Growers

who unhesitatingly recommend it.

OUR STEEL TRUSSES

which do away with all interior posts is another distinctive feature of our construction, and we want to figure with you on this for your wide house or range.

Foley Ventilating Machines, Steel Gutters, Steel Purlins, Pipe, Fittings, Glass, Putty, Hot Bed Sash.

THE FOLEY MANUFACTURING CO., Western Ave. & 26th St., Chicago

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

KING IRON FRAME GREENHOUSES

"ASK THE MAN WHO HAS ONE."

A word from England—

Hampton-on-Thames, Eng., Aug. 31st, 1909.

Gentlemen:—

With reference to your Trussed Iron Frame House, I am pleased to let you know that it is just finished. I am well satisfied with the general appearance of the structure and find it really imposing and every detail of the construction is well thought out. The trussed steel material makes the House wonderfully light and yet very rigid at the same time, especially when one considers a width of 42 feet within posts. The ventilating machinery is strong, neat and works easily. I am sure this style of house will be the style of the structure for commercial horticulturists in this country as well as in America.

Wishing you every success, I remain

Yours sincerely,

(Signed) E. VICTORS.

Send for Bulletin No. 35 which describes

The King Iron Frame Construction.

KING CONSTRUCTION CO., N. Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone. Fort Hill 2475

The FLORISTS' HALL ASSOCIATION OF AMERICA, Insurer of \$2,500,000 sq. ft. of glass. For particulars address John G. Esler, Sec'y, Saddle River, N.J.



HEATING

No matter what system you want we can install it for you. Gravity, forced circulation, forced draft for burning low grade coal. Likewise equipments and fittings such as traps, pumps, pipes, hooks, fittings. In fact anything and everything for any kind of greenhouse heating. Write us.

Hitchings & Company

ELIZABETH, N. J.



A Charming Little Curved Eave Greenhouse

Much of the charm of the house lies in its extreme lightness and the graceful lines of the curved eaves.

This Curved Eave is a type of house which we particularly recommend.

In the Advance Sheets from our new catalog there is a colored insert devoted especially to a curved eave house that we are inclined to believe will interest you.

There are also numerous other greenhouse subjects shown—Let us send these Advance Sheets to you.

LORD & BURNHAM COMPANY
Irvington, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Reekery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII.

AUGUST 27, 1910

No. 9



CATTELEYA HARRISONII



DEVOTED TO THE
Florist, Plantsman, Landscape Gardener and Kindred Interests
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00



U KNOW US!**LET'S KNOW U!****JUST ARRIVED----NEW CROP****White Silky Cape Flowers**

That we offer from 60c per pound upward. Your opportunity to secure
New Fresh Stock Cape Flowers at Import Prices.

Write to-day for Samples and Prices, mentioning quantity wanted.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY**Importers—Manufacturers—Originators****1220 Race Street,****PHILADELPHIA, PA.***Our New Illustrated Katalog for the Asking***JULIUS ROEHRS CO.****RUTHERFORD, N. J.**

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties**ORCHIDS**

*Largest Importers, Exporters, Growers
and Hybridists in the World*

**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS**Just Arrived in Fine Condition**

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

**CARRILLO & BALDWIN,
Mamaroneck, New York,**

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

Madison, N. J.,**ORDONEZ BROS.****ORCHIDS**

*Cattleyas, Dendrobiums, Laelias,
and Odontoglossums*

**G. L. FREEMAN CO.
Fall River Mass.**

**Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.**

BUY NOW!!

The plants here offered are all standard stock of best quality and health. We offer them at these prices now because we must reduce stock before housing time.

	Per 100
Poinsettias, 2 in.....	\$5.00
" 3½ in.....	10.00
Lorraine Begonias, 5 in.....	40.00
" " 6½ in.....	60.00
" " 2¼ in.....	6.00
Genistas, bushy, 5 in.....	20.00
Asparagus plumosus, 3 in.....	6.00
Hydrangeas, pot grown.....	\$25.00 to 60.00
" field grown.....	15.00
Jerusalem Cherries, pot grown.....	25.00
" field grown.....	10.00
Mixed Ferns.....	4.00
Dracaena Terminalis, 3½ in.....	25.00
Azalea Hinodegeri, 12 to 18-in. heads, 75c., \$1.00, \$1.50 each.	
Specimen Metrosideros, \$2.00 each; will bring \$3.50 in winter.	
Specimen Adiantums, 7-in., 8-in., 9-in. pots, 50c., 75c., \$1.00 each.	
Cybotiums, \$3.00 each.	
Araucarias, \$1.50, \$2.00, \$2.50 each.	

Pot-grown Roses for forcing
Lady Gay, Hiawatha, Dorothy Perkins, Tausendschon, large plants, \$1.50, \$2.00 each.

Phoenix, Bays, Kentias and other large stock for Hotel or Store Decorative Use, in any quantity. Write for Prices.

**W. W. Edgar Co.
WAVERLEY, MASS.**

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

GERANIUMS

We are headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it **without fear of successful contradiction**, and in proof thereof we invite a critical inspection of our stock and facilities for propagating.

We are now shipping fine stocky plants from 3 in. pots in a good assortment of Standard kinds at \$3.00 per 100; \$25.00 per 1000

Cannas and Dahlias. Send for list.

Alyssum and Swainsona, white, 3 in. \$3.00 per 100.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

2½ in. pots \$15.00 per 100
3½ " 30.00 "
5 " 50.00 "

CYCLAMENS

3½ in. pots \$20.00 per 100
5 " 50.00 "

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE
per 100. per 1,000.
2½-inch pots \$15.00 \$135.00
3 " " 25.00 200.00
4 " " 35.00 300.00

GARDENIAS
3-inch pots, \$15.00 per 100.
4 " " 25.00 "

5 in. pots, \$5.00 per doz., \$35.00 per 100

POINSETTIAS
2½-in. pots, \$8.00 per 100, \$75.00 per 1000

BOSTON FERNS
7-in. pans, 75 cts.; 8-in. pans, \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

23,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strain, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quiney St., — CHICAGO, ILL.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS.

RUTHERFORD, N. J.

GERANIUMS

ROOTED CUTTINGS
Ricard, Poitevine, S. A. Nutt, Buchner. Orders
booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

LILIUM FORMOSUM 7-9 Inches

Just arrived from Japan. 220 and 300 per case,
\$60.00 per 1000.

Also for Later Arrival:

L. Multiflorum, 7-9, 8-10 and 9-10

L. Giganteum, 7-9, 8-10 and 9-10

McHUTCHISON & CO., 17 Murray St., NEW YORK

CHRYSANTHEMUMS

and **ASTER SEEDS**

ELMER D. SMITH & CO.,

Adrian, Mich.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Ship-
per of Our Specials, Araucaria Excelsa
Compacta Robusta, Excelsa Glauca, Ken-
tia Belmoreana and Forsteriana, also
Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink.

Sangamo, Brilliant pink.

Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

BOSTON FERNS, 2½ inch \$30.00 per
100.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00
per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SONS

Whitman, Mass.

HERBERT, ATCO, N. J.

DANLIAS Every Day in the Year.

Chrysanthemums

Fine stock from 2½ and 2½ in. pots.

J. W. Childs, Mme. J. Rosette, Pacific
Supreme, W. R. Bock, W. H. Chadwick,
Yellow Eaton, \$4.00 per 100; \$35.00 per
1000.

Autumn Glory, Ada Spaulding, Cul-
lingfordii, Dorothy Devens, Golden
Dome, Geo. Kalb, Glory Pacific, Harry
May, J. H. Troy, Maud Dean, Money-
maker, Mlle. A. Laurent, Miss Alice
Byron, Mrs. Baer, Mrs. E. McArthur,
Mme. Bergeman, Polly Rose, Riverside,
The Harriott, Timothy Eaton, W. H.
Lincoln, Wm. Duckham, fine stock,
\$3.00 per 100; \$25.00 per 1000.

Wood Brothers

FISHKILL, N. Y.

ROSE STOCK

2000, each, Brides, *Maids, Richmond;

1000 Rhea Reid.

oo Ivory; all own root at 6c each.

Chrysanthemums

Our selection, good commercial varieties, at
\$3.00 per hundred, \$25.00 per thousand.

Charles H. Totty

Madison, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids. **For Forcing Purposes** we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS

FOR AUGUST AND
SEPTEMBER PLANTING

Per Doz. Per 100

American Arbor Vitae,		
4-5 feet.....	\$7.00	\$80.00
3-4 feet.....	6.00	50.00
	Each	Per Doz.
Golden, 18-24 in....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
	Per Doz.	Per 100
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
	Each	Per Doz.
" Pungens Glauca Koster		
True Blue, 2-2 1/2 ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00

Roots dug with ball and burlapped
10c. extra.

CALIFORNIA PRIVET.

October Delivery,

2 years cut back and nicely branched.

	Per 100	Per 1000
3-4 feet.....	\$5.00	\$40.00
2-3 feet.....	4.00	35.00

Berberberry Thunbergii.

18-24 in., very bushy	12.00	100.00
18-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgt.
P. O. No. 1, Hoboken, N. J.

Evergreens

For September Planting. Doug-
las, Norway, White and Koster
Blue Spruce, Hemlock, Kalmia
latifolia, etc.

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

JAPANESE &
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Seasonable Notes on Culture of Florists' Stock

HOUSING TENDER PLANTS

Cool nights may be expected at any time after this date, so it is well to prepare for the protection of all tender plants. Those that have been planted out in the field, such as crotons, dracaenas, ficus and other palms and foliage plants in pots or tubs, should be taken in before they change their color by too much cold. Tender stock that is planted out should be lifted carefully, potted and removed to winter quarters. Put the plants in the smallest pots possible, as they will establish more quickly and give you a chance to shift them into larger pots in the spring. Give frequent syringings but not too much water at the root, keeping the house close and moist until the plants are well established. What can be done now to advantage in housing plants, don't put off until tomorrow.

OTAHEITE ORANGE

This plant is a popular subject when well grown. Plants that were rested up last year in order to harden their wood for this season's bloom and fruit, should now be covered with their green fruit. By the first week in September they should be housed so as to help to color the fruit. The best results are secured when they become pot-bound. A weekly watering with liquid manure will be found very helpful. These plants like any amount of syringing, which they should get on all bright days. If this is followed up there will be little excuse for having them full of scale, but where syringing does not keep them clean you will have to sponge the plants with fir tree oil. They should be grown in an intermediate house at about 50 to 55 degs. at night.

FEEDING AND DISBUDDING CHRYSANTHEMUMS

These plants should be making a strong, healthy growth, if proper care has been accorded them. If such is the case a little extra nourishment should be applied as chrysanthemums are gross feeders. Start with a light mulch of well-rotted manure. Don't put the manure on too thick; just enough to cover the soil to the depth of about an inch is sufficient, remembering that it is better to apply it at two or three different times than to give one heavy coat. Give all pot plants that are well established liquid manure once a week. When the buds begin to swell on benched stock they should also have liquid feeding. Taking the bud and disbudding will now occupy a good deal of your time. Disbudding is best done in the early morning, being more brittle at that time. Fumigate often and persistently so as to keep the buds clean.

LÆLIAS

In growing these fine orchids, as with all other species, we have to imitate the climate in which they are found. Lælias are found in the humid mountain forests of Mexico and tropical America, growing and blooming in ravines and along the margins of rivers where copious, heavy dews and morning fogs give the required amount of moisture during dry season, when the orchids are resting, followed by saturating rains while growing. To grow these orchids with any kind of success the temperature should range in winter from 60 to 65 degrees at night, rising to 70 to 75 degrees with sunshine, allowing a rise of 10 degrees towards midsummer and gradually decreasing towards late fall to the minimum. They like at all times a light and airy position, with abundance of overhead watering when growing, and after flowering a good period of rest. Such varieties as *Lælia autumnalis* and *anceps*, when about to send

up their flower scapes, if needed for early flowering, can be given 10 degrees extra heat without injury, but if late blooms are wanted they can be retarded by putting them in a lightly shaded and cool position. With the following varieties you can keep up a succession of bloom from fall until late in the spring: *Lælia albida*, *Perrinii*, *harpophylla*, *purpurata*, *Bootheana*, and including the two mentioned above.

HOUSING BOUVARDIAS

Now is a good time to house bouvardias so that early frosts will not catch them. It is only right to give them the full benefit of the favorable weather we have during September to become firmly established under glass. In lifting these plants get all the roots possible and remove from the field to the bench or pots without delay. The house should be kept rather close and moist and the glass shaded until new roots form, when the plants will be in a condition to stand full sunshine and lots of ventilation. After planting they will need frequent spraying to keep them from wilting. Twelve to fifteen inches apart on the bench is about right. Only rich, porous and friable soil will grow bouvardias. They do fairly well in pots, but the best success is secured from bench culture. With a temperature of 60 to 65 degs. an enormous crop of fine flowers will result.

LIFTING HYDRANGEAS

Hydrangeas in the open field should now be lifted and potted. To wait for a few light frosts to accelerate the ripening of the wood, as some are accustomed to do, is more or less a risk, and potting of the plants should not be delayed too long for that reason. They should be potted in a size or two larger than the plants would seem to require. The soil should be a heavy loam, well enriched with manure, and with good drainage. They can be left outdoors for some time, providing some sashes are kept within handy reach. When the time comes to house them a place under the bench in a cool house will suit them. Give only enough water to keep them from drying out entirely. They should have at least ten weeks' rest before forcing.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Vinca cuttings; *Dracaena indivisa*; Lorraine Begonia; *Lilium candidum*; *Pandanus Veitchii*; *Stevias*; *Cyclamen*; *Amaryllis*.

Cattleya Harrisoniae

The flower which is the subject of our title page illustration this week "comes in very handy in late summer" as our orchid correspondent, M. J. Pope, stated in his notes on cattleya culture in issue of Aug. 13. We saw this pretty orchid used with telling effect in a large wreath at Thos. F. Galvin's in Boston a few days ago, the other material in the wreath being Liberty roses and lily of the valley. The cattleyas were used in sprays hanging gracefully from the base of the wreath. While the flowers of *Cattleya Harrisoniae* are much smaller than those of the species usually grown for florists' use and consequently must be sold at a lower price per flower yet their free-flowering habit makes up for this and they are equally as profitable to grow as the more showy species. They also bloom along from August to October, filling in a time when the supply of such material is low. The flowers are of a beautiful rose color, with the lip lightly tinged with yellow. The plants require more light and less water at the roots than most of the other cattleyas.

HORTICULTURE

VOL. XII

AUGUST 27, 1910

NO. 9

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Cattleya Harrisoniae.	
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Housing Tender Plants—Otaheite Orange—Feeding and Disbudding Chrysanthemums—Laelias—Housing Bouvardias—Lifting Hydrangeas—John J. M. Farrell	301
CATTELYA HARRISONIAE	301
SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS—Convention Story Continued—The School Garden Movement—Value of the Experiment Stations—Presentation to President Pierson.	303
President Pierson's Response—Final Resolutions—Presentation to Supt. Charles H. Vick—Awards in Trade Exhibition—Florists' Telegraph Delivery Section—Bayersdorfer & Co.'s Exhibit, Illustrated.	304
Displays by Vick, Kroeschell and Dreer, Illustrated—Parcels Post—For Greenhouses at Cornell—The Panama Exposition.	305
The Shooting Contest—Ladies on Auto Ride, Illustrated—Convention Notes	306
Model Greenhouse, Illustrated.	307
Convention Group, Illustration—Reports of State Vice-Presidents for Maryland and Indiana.	314-315
CLUBS AND SOCIETIES:	
American Rose Society.	306
National Sweet Pea Society—American Gladiolus Society	307
St. Louis Florist Club—Royal Horticultural Society—New Orleans Horticultural Society, Pres. Richard Eichling, portrait—Nassau County Horticultural Society—Massachusetts Horticultural Society—Society of American Florists—Club and Society Notes.	309
DURING RECESS:	
Connecticut Nurserymen's Association, Illustrated—Omaha Florists' Club—Trophies for Baltimore.	308
OBITUARY:	
George Redford, portrait—William Roach—Frederick A. Katoll.	310
FOREIGN PLANT INTRODUCTIONS, Illustrated.	310
SEED TRADE:	
Onion Sets Around Chicago—The Three B's of the Seed Trade, G. C. W.—Seed Warehouse Burned—Another One for Dr. Osler, G. C. W.—Notes.	316
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures.	318
Flowers by Telegraph.	319
FLOWER MARKET REPORTS:	
Boston, Chicago	321
New York, Philadelphia.	323
MISCELLANEOUS:	
The Sweet Pea in Oregon.	308
Some Graceful Dendrobiums, F. M.	308
"De Big Fiel' by de Town," poetry.	308
News Notes	308, 309, 310, 311, 322, 328
J. F. Huss in Switzerland.	312
Publications Received	312
Catalogues Received	316
Personal	318
Chicago Notes	319
In Bankruptcy	319
Philadelphia Notes	323
Greenhouses Building or Contemplated.	328
The Toad's Useful Appetite.	329
Incorporated—Patents Granted	339

Keeping up
the stock

To the man who never attended an S. A. F. Convention before—and there were many such in attendance at Rochester—the personnel of the Society, the character and quality of the discussions and proceedings generally, and, above all, that stupendous exhibition, must have served as an eye-opener to the splendid virile force which has made and is still making this unique organization the wonder of friend and opponent alike. We have frequently found cause and opportunity to commend the wisdom displayed by this Society, particularly in recent years in the providing for and encouragement of those features which tend to make the annual meetings inviting to the younger element. Grand material is thus being trained for the harness and as the old workers, one after another, cease their activities, there stands ready an eager, efficient and loyal phalanx from which to draw leaders in whose hands the prosperity of the grand old Society will suffer no relapse.

Broad gauge
principles

The addresses and practical discussions on the floor of the Convention were all of a high order, eliminating the small talk on unimportant trifles which wastes so much valuable time at the meetings of many well-meaning societies. On questions of policies and internal management the same careful foresight, clear perception and deliberate conviction so often displayed in the past were constantly manifested and we are confident that time will amply establish the wisdom of the decisions which were arrived at. Scramble for control for the sake of control by a few ambitious and brainy men has come to be an almost universal concomitant of industrial and corporation life and we should glory in the fact that thus far the S. A. F. has escaped this blight. To open up new and wider avenues for the commercial development of horticultural industries, to lend a helping hand wherever there is a struggle against adverse or oppressive conditions, and in general to seek out and foster everything that tends to the advancement and welfare of the profession, is a noble purpose and the field for action on these lines is certainly big enough. The Society's outlook has never been more promising than it is today.

Winter versus
summer meetings

The number of replies received by Secretary Dorner, expressing the preferences of S. A. F. members as to a change of Convention date from August to mid-Lent, viz., 238 in favor of the change, 369 opposed, and 8 indifferent, shows plainly enough that a strong majority of the members are satisfied with the time-honored custom of summer meetings. It does not follow, however, that they are equally opposed to a spring meeting, and very likely if the question should be similarly put in reference to a spring meeting, in addition to the summer session, a majority of favorable votes would be cast. Indeed, we confess to much surprise at the size of the vote in favor of an entire change. It shows a strong tide of interest in the Spring Flower Show idea, and should the affair at Boston next March prove financially successful the advocates of a spring convention will undoubtedly be heard from in a manner that will command attention. Very few communities, however, have the facilities for carrying out an enterprise of the magnitude of that which Boston has assumed and the Society displayed good judgment in laying the whole matter on the table until next August.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Rochester Convention Story Continued

The School Garden Movement.

At the closing session of the convention Thursday night, W. B. Du Rie read his paper on "The School Garden Movement." In reference to the paper Mr. Dean declared that in passing through the state of New York he was pleased to note the large number of schools interested in the school garden work. President Pierson followed with a characteristic and forcible speech, urging that the study of nature as it can be carried on through the school garden, is a practical form of education which is another encouraging evidence that modern education is leaving the old beaten track and getting away from the former idea that education should be entirely classical and literary and that the only avenue for man's intellectual activity lay in one of the three professions, the ministry, medicine, or law. It is now recognized that education should rather seek to broaden and beautify the lives of all by furnishing to every youth a practical knowledge of some calling which would fit him not only to earn his livelihood, but to get the best out of life by supplying new avenues of enjoyment and of realization of the highest conceptions of life. In developing the youth of the country the school furnishes the most solid corner-stone for a free government, and in this form of practical education the school garden and all that it implies will perform no humble part. President Pierson appealed to the American florists to come up to their full responsibility and to leave no stone unturned to foster this movement in their communities, and if necessary to even donate flowers in order to awaken a love for them in this way in the young.

A hearty vote of thanks was tendered to Mr. Du Rie for his valuable and interesting paper.

Mr. Benjamin Hammond, chairman of the Committee on School Gardens, now presented his report showing the substantial work being done in this direction. Following the report Mr. Barry made a ringing speech in support of this movement. He referred in a feeling manner to the many parts of the country in which the school houses and school yards are too often sadly neglected and no effort made to render them pleasing and attractive. He felt that much of the responsibility for this might be fairly laid at the door of the florists and nurserymen of the country, who of all men were best fitted by the nature of their occupation to realize the uplifting effect of flowers in bloom upon the susceptible heart of the child and the good results that would follow early imparting to the young a knowledge and love of trees, flowers and shrubs. He hoped

the florists of the country would push the work still more vigorously and the result would be of great benefit to the whole nation.

Mr. Thilow desired to add his contribution to the enthusiastic plea of Mr. Barry, and he thought that those of the teachers who have showed an interest in this movement should have the warm commendation and endorsement of the Society of American Florists and Ornamental Horticulturists. Mr. Thilow was followed by other members in the same strain.

A set of resolutions offered by Past President W. R. Smith, in reference to the observance of Mothers' Day, were unanimously adopted.

Value of the Experiment Station.

Owing to unavoidable circumstances, Mr. W. N. Rudd, former Secretary of the organization, was unable to be present, and his paper on "Value of Experiment Stations to Ornamental Horticulture," was read by Secretary Dorner. Secretary Dorner stated that he made it his business to ascertain what the Experiment Stations were doing. He found that except in a few instances they were doing absolutely nothing in this direction, but they would be only too glad to attempt more if they were given the proper help by the legislature, which could be brought about through the efforts of the florists, who should be vitally interested in this work. Through the efforts of the Illinois State Florists' Association they had induced the state of Illinois to erect four good greenhouses of a superior quality of construction, and with their aid through the erection of those greenhouses at least one experiment station proposes to prove to the florists of that state what it can do.

The Presentation to President Pierson—E. G. Hill's Inimitable Speech.

Referring to a card which he said had been handed to him by a lady, Mr. Hill read: "The best goods are put up in small packages, and it is true that the things that are of real interest and value are still smaller than small packages." He continued: I have about concluded that this lady is right; but I said to her, "What are you driving at? I would like a practical illustration." "Well," she said, "your President is a practical illustration of the intrinsic value of a real good thing done up in a small package." (Laughter and applause). I said to her, "What about Foley, he is majestic looking, and Traendly, he is a rotund fellow—what about them? That Congressman from Buffalo, W. F. Kastling," I said, "What about him?" "Oh," she replied, "They are only good for ballast!"

Now I did not dare to ask her where Bob Craig and myself came in for fear she would say, "Well, you were something some time ago, but you are has-beens." I know that is what she

thought, but she was too modest to tell me.

Now, the other day in England that brilliant Welshman, Lord George, was making a speech in a Conservative district, and the Conservative people had placarded the town with a dwarf about four feet high. So when he got into the meeting place they began to hoot and yell, "Pigmy!" and one thing and another. But he said, "Give me your attention just one minute." They quieted down and he said, "Now I will tell you, your Conservative party measures the man from his feet up to his chin and stops there; but the party to which I belong measures him from the chin up to the top of the head." And that is just what the florists of this Association did this past year, and I tell you we were right in our measurement, for our President has accomplished wonderful things. I tell you he has set us a shining example. He has got there with the goods. Look at the work he has done in regard to the plans for our national show; look at the splendid outcome of this meeting here, and the example he has given of his vitality, his energy and his stick-to-it-iveness of purpose. I will tell you that some of the presidents that are coming along to follow in his footsteps will have to get into a pretty good gait to keep up with him.

There is a little boy out in Indiana where I come from—we produce nice boys out there and girls, too—and this little fellow got very ambitious to go into business. He wanted to make some money. He had saved up quite a number of dimes and quarters and half dollars, and somebody told him that the chicken business was a good thing for him to embark in. So he went at it. He did not give the subject quite enough thought, and he bought a whole lot of bantams. Finally he had a couple dozen of them. He went every morning to gather the hen fruit, and the little fellow was disgusted with the size of the product, the smallness of the eggs. He scratched his head and concluded that would not do; so he went into the house and got out an ostrich egg that had been a parlor ornament for a number of years and suspended in front of where these banties were performing service, and he hung this sign beneath it:

"Look at this, and then do your best!" (Uproarious merriment).

This sign, "Follow the example of Frank Pierson," is written all over this hall and on the pages of our horticultural papers, and I tell you to beat it some of the fellows will have to exert themselves. I know that our friend out in Chicago will read the sign, and will get there, too.

Now this body of people, Mr. President, have thought they would like to give you a little memento as an expression of their great appreciation of your services and the things that you have done. We hope you will share this with Mrs. Pierson, and some of

us will be around Tarrytown to help use some of these knives and forks. Please accept them on behalf of your friends, the members of the Society of American Florists and Ornamental Horticulturists. (Applause, three cheers and handkerchief salute for "Pier-son").

President Pierson's Response.

Ladies and Gentlemen, Friends All:

I did not think that I occupied so large a place in your hearts. As years go by I value the friendships that have been made in this Association. I think as we become older we are apt to do that. The friendships that I have formed in this Society of American Florists have become very dear to me. As an illustration I want to call your attention to my friend over here, Mr. W. R. Smith, one of the men I love and rely upon, one who has the interest of this Association very close to his heart.

If I wanted any further testimonial of your friendship, or any further inducement tonight to do anything more for you in the future than I have in the past, certainly this would clinch it.

I am very much embarrassed, however, by the fulsome words of praise from Mr. Hill. I am a modest man and would rather do the work than to receive the praise or a presentation. But I certainly tonight, ladies and gentlemen, wish to tell you that I value exceedingly this expression of your good will, although even it cannot add anything to the desire I have to advance the interests of this Association, or bring it closer to my heart. I shall try to promote its interests as long as I live to the utmost of my power.

I do not think I can fittingly voice to you tonight all that I feel at this time. Words fail me to make an adequate expression of my feelings. I hope you will take the wish for the deed. (Applause).

Final Resolutions.

Mr. Walter F. Sheridan, Chairman of Committee on Resolutions, presented the following as their official report, which was unanimously adopted by rising vote, viz.:

We, the members of the Society of American Florists and Ornamental Horticulturists assembled in Rochester, appreciating the splendid welcome we have received, and recognizing the pains taken to make our sojourn here a comfortable and enjoyable one, take this opportunity to return thanks for the splendid facilities afforded us for our convention, therefore be it

Resolved: That the thanks of this Society be tendered to the Rochester Florists' Association for the great work which it has done in connection with this convention, and be it further

Resolved: That the thanks of this Society be tendered to his Honor, Mayor Edgerton, the Chamber of Commerce, Fred W. Vick, Vice-President of the Society, Charles H. Vick, Superintendent of the exhibition, and to the Ladies' Committee of the Rochester Florists' Association, and be it further

Resolved: That in consequence of the hearty co-operation of the above mentioned and other persons, the Society recognizes the present convention as one of the most successful in its history.

(Signed by the Committee)

WALTER F. SHERIDAN,
JOHN K. M. L. FARQUHAR,
PATRICK WELCH.

Presentation to Superintendent Chas. H. Vick.

A pleasing post-convention event was the presentation at about 10.30 p. m. Thursday to popular "Charlie" Vick, Superintendent of the Exhibition, of a magnificent gold watch, the gift of the various exhibitors. The presentation speech was made in a felicitous manner by Harry A. Bunyard, who devised an ingenious opening in the way of a mock complaint, accusing Mr. Vick of sundry derelictions in duty as Superintendent, and when he had succeeded in arousing Mr. Vick's just indignation at such treatment, he suddenly steered his discourse in the opposite direction and overwhelmed him with commendations, and finally threw the gold watch at him, so that Mr. Vick

passed through all the gamut of the cold, sleet and snow of winter to the blooming flowers of spring, the victor's crown of roses, the esteem of his friends. Mr. Vick's confusion and blushes may be better imagined than described. The rest of the evening was spent by the company in asking "Charlie" what time it was.

Awards to Novelties, etc., in Trade Exhibition.

The judges in their report made the following awards which were duly affirmed by vote:

Certificates of merit: W. A. Manda, South Orange, N. J., for Polypodium Mandaianum; T. M. Miller, Jamesville, N. Y., for Zonal Pelargonium Miller's Pride; F. R. Pierson Co., Tarrytown, N. Y., Nephrolepis Mossii; Kroeschell Bros. Co., Chicago, N. Y., new shaking and dumping grate; Wilson-Hoyt Co., New York, steel moulds for concrete greenhouse benches; King Construction Co., No. Tonawanda, N. Y., iron frame boiler house; Robert Craig Co., Philadelphia, Pa., Crotons Edwin Lonsdale and Paul E. Randolph, also for collection of Crotons, 85 varieties.

Honorable mention: Conard & Jones Co., West Grove, Pa., self-watering plant boxes; M. Rice & Co., Philadelphia, Pa., useful novelties in florists' supplies; H. Eichholz, carnation Winter Cheer; George Giatras, New York, Nephrolepis Giatrasii; Kessler Bros., New York, Nephrolepis Dreyerii; H. W. Koerner, Milwaukee, Wis., Gladiolus hybrids; Jos. Traudt, Canajoharie, N. Y., Sweet Alyssum Variegated Little Gem; Non-Breakable Flower Vase Co., Washington, D. C., flower vases and pedestal of non-breakable material.

Highly commended: Champion Stemmer & Supply Co., Chatham, N. J., stemming device for florists' use; W. A. Manda, So. Orange, N. J., Dracana Rothiana; Kroeschell Bros. Co., Chicago, threaded tube piping system and Kroeschell generator 1910 model; Lion & Co., New York, bridal scarfs and invisible violet shield; Schloss Bros., New York, novelties in florists' supplies; Robt. Craig Co., Philadelphia, Pa., Crotons Mrs. Duncan, Marau, Mrs. W. P. Craig and Soliel d'Or; Nat. Clock & Electric Mfg. Co., thermo-static instruments.

Florists' Telegraph Delivery Section.

Owing to the number of subsidiary meetings being held on Thursday morning before the regular convention session, it was about noon before the latter got under way, but under the energetic handling of President Pierson business was rapidly transacted. The first matter taken up was a report from Past President Valentine, giving the results of the meeting held by the retailers in perfecting their organization. They had not been able to conclude their work, and notice was given of another meeting at two o'clock at the Seneca Hotel. President Valentine reported everything moving favorably, however. The meeting for two o'clock was duly held and the following officers of the perfected organization of retailers, called The Florists' Tele-



BAYERSDORFER & CO.'S MAIN EXHIBIT



VICK AND DREER DISPLAYS

graph Delivery, a name descriptive of the work of the organization, were elected: J. A. Valentine, president, Denver, Colo.; W. J. Palmer, vice-president, Buffalo, N. Y.; W. L. Rock, treasurer, Kansas City, Mo.; H. B. Dornier, secretary, Urbana, Ill.; and these directors: (One year), A. B. Cartledge, Philadelphia, Pa.; W. F. Gude, Washington, D. C.; Fred H. Meinhardt, St. Louis, Mo. (Two years), Philip Breitmeyer, Detroit, Mich.; Ernst Weinheber, Chicago, Ill.; George Asmus, Chicago, Ill. (Three years), W. L. Rock, Kansas City, Mo.; John Bertermann, Indianapolis, Ind.; Irwin Bertermann, Indianapolis, Ind. At the conclusion of the afternoon session of the retailers' organization they adjourned sine die, after a unanimous vote of thanks to President Valentine for his arduous work in working out the plan of organization. The articles constituting the By-Laws were adopted in toto as they were presented, and it was understood that Mr. Valentine had thought them out carefully in all details.

Parcels Post Resolutions Adopted at Wednesday Evening's Session.

Resolved, That the post office is our mutual transportation company; that its only limit should be the capacity of our transportation machinery and that its rates should be determined by the cost of the service rendered; further,

Resolved, That all candidates for public employment as members of the United States Senate and House of Representatives should be pledged to the widest possible extension of the post office, and its most efficient and economical administration; further,

Resolved, That the members of the Sixty-First Congress, responsible for the continued limitation of our domestic postal express to four pounds parcels of unsealed merchandise at sixteen cents a pound, while protecting foreigners in posting their merchandise throughout the United States, to wit, Italians, 11 lbs. for 79 cts.; Germans, 11 lbs. for 81 cts.; and Austrians, 11 lbs. at 86 cts., should be overwhelmingly defeated as candidates for re-election this fall; further,

Resolved, That the conservative Postal Progress League Bill known as the Sulzer Bill, House of Representatives No. 26,581, representing the demands of the friends of the post office as set forth at the recent

Parcels Post hearings at Washington, should be enacted into law at the opening of the coming session of Congress.

Mr. O'Mara in speaking to the resolutions said that beyond any question of doubt whatsoever, the railroad and express interests have up to the present time influenced the findings of the Committee on Post Offices and Post Roads, and have thwarted the popular demand for the consolidation of the third and fourth class matter, something that has been urged upon Congress for the past six or seven years by the Post Office Department itself.

Mr. O'Mara spoke forcibly upon the subject, and gave some inside history that very much interested the attentive audience present.

For Greenhouses at Cornell.

Following are the resolutions adopted on behalf of a range of greenhouses for experimental purposes. After passage, it was voted that a copy of the resolutions be sent to each of the New York state senators and representatives.

Whereas, It is the purpose and policy of the Society of American Florists and Ornamental Horticulturists to encourage experimental investigation in horticulture at the state experiment stations, where this subject has been much neglected as compared with other branches of horticulture, and

Whereas, The florists of the state of New York will this winter make an effort to secure an appropriation of fifty thousand dollars from the state for a range of greenhouses for experiments in horticulture at Cornell University, therefore be it

Resolved, That the Society strongly endorses this effort, and urges its favorable consideration at the hands of the legislature, and pledges itself to use its influence in every possible way to further the movement.

Mr. Dean hoped that a copy of the resolutions would be sent to each of the New York state senators and representatives in the legislature, which was agreed to.

The Panama Exposition.

A communication asking the adoption of resolutions endorsing the movement to memorialize Congress to fix the location of a World's Panama Exposition at New Orleans in 1915, was about to be read by the Secretary, but the point of order being raised by Mr. Valentine that the action sought to be taken was outside of the province of the Society, the Chair ruled against the point taken, and upon an appeal being suggested, on motion of Mr. Cowell, the communication was laid on the table.



THE KROESCHELL EXHIBIT
With Cosey Corner for Ladies.



S. A. F. CONVENTION LADIES ON AUTO RIDE

THE SHOOTING CONTESTS.

Prize for greatest number of birds in all events, H. M. Altick, Dayton, Ohio, \$20.00 in gold.

Five men team, only eight shooters present, so two teams of four men were formed. Winners were: Z. D. Blackistone, Washington, D. C.; H. Brown, Richmond, Va.; E. Reid, Philadelphia, Pa.; and E. H. Vick, Rochester, N. Y. Each a diamond stick pin.

Singles, twenty-five birds. First, H. M. Altick, \$20.00 in gold; second, Z. D. Blackistone, fishing rod, value \$10.00; third, H. Brown, stick pin.

Doubles. First, H. M. Altick, \$20.00 in gold; second, E. H. Vick, gun case, value \$10.00; third, E. Reid, fishing rod, value \$5.00.

It seems to the committee that unless there are more gunners at future meetings the shooting contests should be abandoned, or else modify the value of the prizes, as it is quite an expense to the local society having the convention in charge.

R. G. SALTER,
Chairman Shooting Committee.

CONVENTION NOTES.

Manager Campbell of the National Flower Show did a big business at the convention in the sale of exhibition space for the trade display section of the show. Over 6,000 sq. ft. of floor space has already been contracted for.

Much regret was expressed over the illness of Assistant Superintendent Dunbar of the Rochester parks, which prevented his delivering the promised illustrated lecture on "Trees, Shrubs and Flowering Plants."

On the recommendation of the Executive Board, the unexpended balance of \$400 left in the National Flower Show fund was placed at the disposal of Chairman Pierson for the benefit of the next National Flower Show.

The discussion on the use of cement in greenhouse construction was one of the most enlivening and practical which the Society has ever listened to. It is a real live topic as was evidenced by the number and the standing of the men who took part in it.

W. N. Rudd's paper on the "Value

of Experiment Stations to Ornamental Horticulture," contained enough condensed common-sense advice and pertinent facts to fill a volume. It should be carefully read by every floriculturist in the country. Its sentiments are indisputable.

The pretty maple leaf badge of the Canadian brethren was quite generally in evidence among the convention attendance, and the spirited invitation voiced by Mr. Dunlop to bring the convention to Montreal next year, or the year following, showed still further the live interest taken in the S. A. F. by the fraternity across the border.

Our illustration shows the ladies of the convention on their automobile outing on Wednesday afternoon. This is only one incident in the continuous round of enjoyment provided for the ladies by the Rochester people. The Ladies' S. A. F. now numbers 211 members and is growing fast, and it is a very potent force today in bringing out a good convention attendance.

The perfection of arrangements and smooth-running system in every department of local committee work connected with the business and the entertainment of the convention was a subject of repeated comment by the visitors. The Rochester fraternity have worked it down to a science. Everyone knows his place and his duty and everything works in harmony like the wheels of a watch.

The report of progress by J. K. M. L. Farquhar for the National Flower Show Committee called attention to the sacrifice that the Massachusetts Horticultural Society is willingly making in not holding during the same year their own usual spring exhibition from which it is assured of a handsome net return. Mr. Farquhar's remarks were optimistic and were received with many evidences of enthusiastic approval.

Invitations to visit trade and private establishments in the vicinity of Rochester were many and cordial. Quite a number went to see the nurseries of Ellwanger & Barry, and on Friday

morning previous to the Manitou excursion a large party went by special cars to inspect the trial grounds of James Vick's Sons. An invitation from Mrs. F. F. Thompson, through her gardener, R. E. Ballantyne, to visit her estate at Canandaigua, was also accepted by several.

AMERICAN ROSE SOCIETY.

On Thursday, August 18, the American Rose Society met in Convention Hall, Rochester, N. Y., thirty-four members present. August T. Poehlmann, of Morton Grove, Ill., was present as retiring president and William H. Elliott of Brighton, Mass., the new president, assumed the chair, after introductory words by the secretary.

The statement was made that the Society had invested its permanent fund to the amount of \$3,000 in guaranteed mortgages at a rate of 5 per cent, dating from July 1st; that there was a balance in the treasury of something over \$100, and that up to that date all bills were paid, with one exception—a matter of some \$9.20.

The present Executive Committee is as follows: Philip Breitmeyer, Detroit, Mich.; Peter Bisset, Washington, D. C.; William F. Kasting, Ellicott street, Buffalo, N. Y.; Wallace R. Pierson, Cromwell, Conn.; August F. Poehlmann, Morton Grove, Ill.; J. A. Valentine, Denver, Colo. The secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y., and the treasurer, Harry O. May, Summit, N. J., hold over and Mr. Adolph Farenwald, of Roslyn, Pa., is vice-president.

The chief matter of interest that came up before the meeting was the coming National Flower Show to be held in the city of Boston, the latter part of next March and to continue for one week. Frank R. Pierson, Chairman of the National Flower Show, was present and submitted the proposition from his committee, which was for the Rose Society to adopt their schedule of prizes for roses in pots or tubs, to which they had allotted \$730 as pre-

miums, and for the Rose Society to, as usual, make up its own schedule for cut flowers and for accessories, and that the National Flower Show Committee would place at the disposal of the Rose Society \$1,000 as a premium fund, to which amount the Rose Society could add any further sum that it saw fit. The interest taken in the meeting was very considerable and after some discussion the following resolutions were offered by Wallace R. Pierson and carried unanimously: That the American Rose Society accept \$1,730 offered by the National Flower Show Committee and that the president of the American Rose Society shall appoint a committee to draft a schedule for the exhibition in connection with the National Flower Show.

This was followed by a motion made by Patrick Welch of Boston, as follows: That the American Rose Society guarantee payment of any premiums in excess of this amount which the committee of the American Rose Society shall deem necessary and that any fund which shall be added to this amount shall become an asset of the National Flower Show Committee. The following concerns pledged themselves to furnish exhibits and to do all in their power to make the coming exhibition a great success: Poehlmann Bros. Co., William H. Elliott, Adolph Farenwald, E. G. Hill, Lake View Rose Gardens; Erie Floral Co., Joseph Heacock, Bassett & Washburn, John H. Dunlop, Waban Rose Conservatories, F. R. Pierson Co., Welch Bros., Thomas Rolland, The Montgomery Co., A. N. Pierson, Inc. Then Mr. Thomas Roland stated that the Society would need some money to carry on this work a little extra than common and he offered \$25 for use to advance the general interest in the coming Rose Show. Then the following gentleman offered for the use of the Rose Society, as the Executive Committee may deem fit, as follows: August F. Poehlmann, \$50; William H. Elliott, \$50; William F. Kasting, \$25; William J. Palmer, \$25; A. N. Pierson, Inc., \$50; Waban Rose Conservatories, \$50; P. Welch, \$25; E. G. Hill Co., \$25.

Mr. Farenwald made a very earnest speech in favor of making the premiums of such size as to bring out the largest display of cut flowers. It was then moved to adjourn, with the best of flower feeling.

BENJAMIN HAMMOND,
Secretary.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

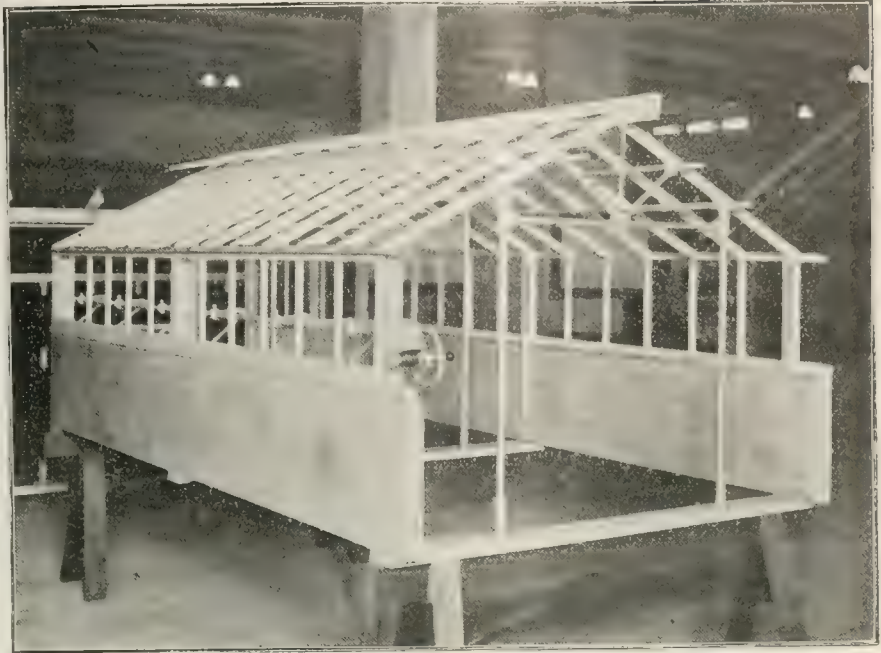
At a meeting of our society at the S. A. F. convention at Rochester, August 18th, Vice-President Wm. Sim in the chair, a motion to act in conjunction with the S. A. F. & O. H. in Boston at the Flower Show to be held in the spring was unanimously carried.

President Pierson promised to secure us an appropriation and our society stated that it would endeavor to secure the same amount so it is quite possible that we shall have a prize list of about \$350 for sweet peas at that time.

Anyone desirous of offering prizes, kindly communicate with the secretary.

HARRY A. BUNYARD, Sec.

A MODEL GREENHOUSE.



The accompanying picture shows the model greenhouse 9 ft. long and 5 ft. wide exhibited by the Lord & Buinham Co. at the Rochester Convention where

it attracted much attention. It was an exact reproduction of the house of similar construction erected for Robert Craig Company at Norwood, Pa.

AMERICAN GLADIOLUS SOCIETY.

The first annual meeting was called to order at Rochester, N. Y., by President I. S. Hendrickson at 10.30 a. m., Thursday, August 18. Secretary Gage read the report and minutes of the organizing meeting at Boston. The President's address and report followed. Short talks and discussions were taken part in by John Cavers, Oakville, Ont.; E. E. Stewart, Rives Junction, Mich.; J. C. Vaughan, Chicago; Arthur Cowee, Berlin, N. Y.; Mathew Crawford, Cuyahoga Falls, Ohio, and others.

Ralph E. Cushman offered the following resolutions:

That the recommendations of the President as made in his address be adopted and the proper committees be appointed to carry the same into effect. The issuing of a bulletin from time to time; the offering of a prize for articles on amateur culture of gladioli; the appointing of a committee to make rules and a schedule of points for registering and certifying of new varieties of gladioli; the securing of a place on the schedule of the National Flower Show of 1911. It was voted to adopt the resolutions as a whole.

The financial secretary, Mr. Youell, read his report which was adopted and referred to the auditing committee, as was also the report of the treasurer. The auditing committee's report was adopted and ordered to be placed on record.

The membership committee reported favorably on a large number of applications for membership and all were accepted. Mr. Youell's report as chairman of the exhibition committee was read and adopted as was that of Professor Judson, chairman of the committee on awards. Papers by Maurice

Fuld and Wilber A. Christy could not be read on account of the limited time allowed for the use of Assembly Hall, but they were given a vote of thanks and referred to the bulletin committee. Mr. Christy gave a short but very interesting talk on "Gladiolus Breeding." H. B. Dorner, secretary of the S. A. F. & O. H., addressed the meeting, urging that the society affiliate with that body. A suggestion by Mathew Crawford that the Society print a pamphlet setting forth its advantages and purposes to be sent in catalogues and letters was referred to the press committee. Vice-President Cushman addressed the meeting very interestingly, advancing valuable suggestions. President Hendrickson appointed a press committee with the following members: H. Youell, L. Merton Gage, and Prof. L. B. Judson and reappointed the present exhibition committee to serve at the next exhibition which will be held in Boston in March, 1911, at the National Flower Show of the S. A. F.

The following premiums were awarded by the American Gladiolus Society at Rochester:

- Class 1—Silver medal offered by Vaughan's Seed Store, for the best 25 spikes of Mrs. Frances King—1st B. Hammond Tracy, Wenham, Mass.
- Class 2—\$10 in gold offered by Peter Henderson & Co. for 12 best varieties not now on the market, 3 spikes each—1st W. H. Koerner, Milwaukee, Wis.
- Class 3—Silver medal for best collection of 25 varieties, 3 spikes each 1st Arthur Cowee, Berlin, N. Y.
- Class 4—Silver medal most artistic basket filled with gladiolus America—1st R. Hammond Tracy, Wenham, Mass.
- Class 5—Silver gilt medal for best American seedling never before exhibited or yet disseminated—1st Vaughan's Seed Store, Chicago.
- Class 6—Bronze medal for 10 spikes of best scarlet gladioli—1st Arthur Cowee, Berlin, N. Y.
- Class 7—Silver medal for 10 best spikes pure white gladioli—Vaughan's Seed Store, Chicago.
- Class 9—\$5 in gold for best display pink

and white varieties, 3 spikes each—Arthur Cowee, Berlin, N. Y.

Class 10—\$5 in gold for best vase 25 white varieties—1st Arthur Cowee, 2nd B. Hammond Tracy.

Class 11—\$5 for the best vase of any named yellow variety—E. E. Stewart, Rives Junction, Mich.

Class 14—Silver cup for exhibit containing the largest number of standard named varieties—John Lewis Childs, Floral Park, N. Y.

Class 14A—\$10 for the best exhibit of the best quality in white and light, dark blue, and yellow hybrids—Arthur Cowee, Berlin, N. Y.

Class 22—Silver cup offered by Montague Chamberlain for the best 6 named varieties, one spike each—1st B. F. White, Terryville, Conn.

L. MERTON GAGE,
Cor. Sec.

THE SWEET PEA IN OREGON.

Oregon communities are going in this year to a great extent in sweet pea growing and are holding competitive shows where the prize flowers are exhibited.

Portland's annual Rose Festival precludes the possibility of making any great fuss over any other flower there, but despite that fact, suburban improvement clubs have stimulated interest in sweet pea culture by holding exhibitions lately that have been very successful.

Such a show was held at Woodstock, a Portland suburb, lately, resulting in the formation of the Oregon Sweet Pea Association, which is to have a charter membership of 500. This will result, it is believed, in the holding of annual flower shows throughout the state and in a wider interest in sweet pea culture.

A big feature of a recent sweet pea show at Cottage Grove, Oregon, was a decorated parade, participated in by business houses of the place and individuals, the horses, teams and automobiles being decorated elaborately with flowers, after the fashion of the Portland Rose Festival parades, only sweet peas being substituted for roses.

The climate of Oregon seems especially adapted to the best development of the sweet pea and each passing year sees a wider interest in its growth. There is hardly a home in Portland that has not a hedge of these beautiful flowers growing in the yard.

NEWS NOTES.

Syracuse, N. Y.—Bids for the construction of a greenhouse 10x150 feet were opened by Commissioner A. E. Perron at the State Fair office on Aug. 5. A greenhouse will be constructed on the new land recently acquired by the commissioner and work will begin at once.

Sioux City, Iowa.—Plans for a greenhouse for the park department are in preparation. The establishment will be built at the city pumping station where exhaust steam will be utilized for heating purposes. This building will fill a long felt want as it will greatly expedite the gardening in the city parks. City engineer Keyes Gaynor says that the work will start on the building very shortly.

There are many varied devices on the market for supporting carnations and other plants in the beds. Some of them are wondrous contrivances. Others have good claims on the favor of the greenhouse man and among the latter is the one advertised in this paper. Carnation growers, look it over.

SOME GRACEFUL DENDROBIUMS.

The most graceful forms of the genus dendrobium are *D. phalaenopsis*, *D. bigibbum* and *D. superbiens*. The fine and rare species *D. Goldiei* was found mixed with plants of *D. superbiens* in an importation in 1876. It was regarded as a cross between *D. superbiens* and *D. bigibbum* or *D. phalaenopsis*. According to Herr Blossfeld there has been found among recently imported plants a variety of *D.*



superbiens which instead of waved petals and sepals, possessed smooth ones, the flowers broader than those of the usual *D. superbiens*, and the characteristic white edging to the sepals and petals missing more or less; at the same time the coloring of the blooms was deeper. He was not in doubt for one moment that he had the species *D. Goldiei*, as described in the *Gardeners' Chronicle* in 1878. F. M.

DE BIG FIEL' BY DE TOWN.

De clovah bloom am fadin'
Frum de big fiel' by de town,
De purple am a shadin'
Into sufin ob a brown,
De summah win's am shiftn'
Frum de regions ob de souf
An' de bumble bee am lrawin'
Down de co'ners ob his mouf.

He knows de fros' am comin'
Wen de honey days am pas'
Dat de murmur ob his hummin'
Soon will vanish ob de blas'
An' he wo'ks a leetle ha'der
Roun' he blossoms gittin' brown,
An' he stays a leetle later
In de big fiel' by de town.

Oh, I'se sorry fer to see it,
Win' a shiftn' to de wes'
Sorry dat de snow am comin',
But de bee am needin' res'
Foh de toil ob makin' honey
Ain't de easiest, doan you know—
Lak de wo'k ob makin' money
It am drefful ha'd an' slow.

So good-by, sweet clovah blossom,
An' good-by, ole bumble bee!
You hab made de braf ob summah
So't o' musical to me,
I shall tink ob you wif kindness
Wen de snow am comin' down
On de dead an' faded purple
Ob de big fiel' by de town

FLOYD D. RAZE.—in *Boston Journal*.

Speaking of the deplorable destruction of the Brussels Exposition by fire, Mr. E. G. Hill who visited it a short time before says that it was a marvelous show and from an artistic standpoint the finest thing he had ever seen.

During Recess

CONNECTICUT NURSERYMEN'S ASSOCIATION.

The accompanying illustration is from a photograph of a group of members of the Connecticut Nurserymen's Association, taken on the grounds of The Elm City Nursery Co., New Haven, Conn., where the Association met for a field day on August 11th. After

spending a pleasant morning exploring the nurseries, the members took the trolley to Savin Rock, Connecticut's Coney Island, where, after a well-served dinner at the Colonade the members played kids for the remainder of the day, taking in all the shows from the roller coaster to the flying horses. It was voted unanimously that the day had been most pleasurably spent.

OMAHA FLORISTS' CLUB.

Yourself and family or friend are requested to attend the annual picnic of the Omaha Florists' Club
Thursday August twenty-fifth, at Courtland Beach

Reception 2 p. m.

Entertainments of various kinds

Boating, Racing and Bowling 3 to 5 p. m.

Lunch 6 p. m.

George Swoboda, Pres.

The foregoing appetizing invitation has just reached us. How we do wish that Omaha was just around the corner from Boston. We know they will have a gorgeous time. Perhaps a little matter of 1500 miles, more or less, will be no obstacle to such a neighborhood meeting in the coming days. But for the present—it's different!

TROPHIES FOR BALTIMORE.

The sporting element to which the popularity of the S. A. F. Conventions with the younger set is largely due, will be pleased to learn that already a number of valuable trophies have been contributed to be competed for at the convention in Baltimore next year. These include a silver cup from H. F. Michell, silver cup from H. A. Dreer, and shooting jacket from H. M. Altick, all for the shooting contests, and a silver cup from H. A. Dreer for the bowling tournament.

Julius Roehrs Co., Rutherford, N. J., have purchased the entire stock of seed of Harry Turner's novelty, *Celosia Pride of Castle Gould* and it will be disseminated next winter.

CLUBS AND SOCIETIES

ST. LOUIS FLORISTS' CLUB.

The regular monthly meeting was held Thursday afternoon, August 11th. This being the annual meeting the election of officers for the ensuing year took place. The trustees made a final report which wound up the affairs of the recent picnic. Chairman DeWever reported that the Florists' Bulletin had been issued and reports from the first issue were encouraging and it should be a success from the start. Edward Kelley, of the Kelley Floral Co., was elected to membership. Secretary Beneke reported that he had forwarded to Secretary Dorner the invitation inviting the S. A. F. to hold their 1911 meeting in St. Louis. The election of officers resulted as follows: President, John Connon; vice-president, Frank A. Weber; secretary, J. J. Beneke; treasurer, Wm. C. Smith; trustee for three years, E. W. Guy; Messrs Bentzen and Ostertag holding over, the former for two years and the latter for one year. The installation takes place at the next meeting Sept. 8th. The treasurer's report showed a healthy balance on hand. Frank A. Weber, of the H. J. Weber Nursery Co., invited the members to hold their September meeting on the grounds of the company, which was accepted. There was considerable talk on convention matters. The question box also brought out some interesting features.

ROYAL HORTICULTURAL SOCIETY

Of *Gladiolus gandavensis* varieties, I would name as being among the finer flowers and flower spikes shown by Messrs. Kelway & Sons at a recent exhibition, the following, viz.: Kipling, Lady Montague, Cornishman, Earl Compton, Lady Werner, Baden-Powell, Walpole, Sir Horace Plunket, General Kuroki, Judge O'Brien, Colossal, Tom Hood and King of Gladioli, this last an immense spike of scarlet flowers having a small white blotch on the lower segment.

An executive committee has been formed to organize a great International Horticultural Exhibition in London in May 1912.

Although in no way responsible for the exhibition, the Royal Horticultural Society is giving general approval to the scheme. The society has not only agreed to forego the holding of the usual Temple Flower Show for that year, but it has also contributed £1,000 towards the International Exhibition, and, in addition, is prepared to assist generously in the formation of a guarantee fund.

A site for the exhibition will probably be secured in the south-west of London. It is expected to be the biggest thing of its kind ever held in this or any other country.

Already the committee has obtained the highest patronage for the International Show, including the King and Queen and the Duke of Connaught, Prince and Princess Christian, and Princess Louise.

The honorable secretary is Mr. Edward White (of Milner, Son & White), 7 Victoria street, S. W.

FREDERICK MOORE.

NEW ORLEANS HORTICULTURAL SOCIETY.

The monthly meeting of this society was held one week earlier than the scheduled time. President Eichling requested a good attendance at all the meetings. E. Baker, C. Eble and Paul Abele were appointed on the financial committee for one year. The invitation to the S. A. F. to hold the 1915 convention in this city was sent in State Vice-Pres. Papworth's report. A resolution of sympathy with Abele Bros., whose mother died recently in Germany was passed. Two new names were proposed for membership. The meeting then adjourned to the café where a lunch was partaken of. Mr.



RICHARD EICHLING

Alost, who has just returned from a ten weeks' trip to Europe gave an account of his travels and especially of what he saw interesting at the Exposition in Brussels.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The monthly meeting was held at Pembroke Hall, Wednesday, Aug. 10. It was aster night and there was a grand display of those beautiful flowers. I. Trepass had magnificent blooms. Winners:—Society's prizes: Best 12 white, I. McDonald; best 12 pink, and best 12 any color, I. Trepass, who also won Matz special prize for best 24 white. Honorable mention was awarded to A. Golon for vase of Sutton's branching asters: I. Dumbrosky for collection of asters, vase of aster Purity, onions and egg plants; R. Petroccia for sweet peas and cucumbers. Prizes were donated by Messrs. Titus & Bowne, H. F. Shotwell, Stapleton & Co. and Universal Engineering Co., all of Glen Cove, for our fall show. At the next meeting prizes will be for best 3 melons, best 6 peaches and best 6 apples.

O. E. ADDOR, Cor. Sec.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The schedule for the Autumn Exhibition to be held at Horticultural Hall, Boston, on September 23, 24 and 25, has been issued. Silver and bronze medals are offered for collections of cut blooms of hardy herbaceous plants to cover not less than 100 sq. ft. in twenty or more genera and for the same to cover not more than 50 sq. ft., in ten or more genera. Eleven classes are devoted to dahlias and one to gladioli. The remainder of the prize list is devoted to apples, pears, grapes, plums and a wide variety of vegetables.

There will be no Chrysanthemum Show in Boston this year.

SOCIETY OF AMERICAN FLORISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the carnation, "Christmas Cheer," by Henry Eichholz, Waynesboro, Pa., becomes complete.

H. B. DORNER, Sec.

August 25, 1910.

CLUB AND SOCIETY NOTES.

The Newport (R. I.) Horticultural Society announces the date for its fall show as September 17, 18 and 19. to take place in Masonic Hall. The public will be admitted free on Sunday. The annual ball of the society will take place in the same hall September 20.

Special meetings of the different committees of the second annual flower show of the Albany Florists' Club are being held. It is hoped that the florists and growers of the surrounding cities will join with them in November to help make it as great a success as that of last year.

The annual fruit and flower show of the North Shore Horticultural Society was held at Manchester, Mass., in a large tent on the grounds of the Essex County Club, on the afternoon and evening of August 24. Many valuable premiums were creditably competed for by the expert gardeners of the North Shore summer colony.

NEWS NOTES.

North Wales, Pa.—James J. Curran is now superintendent of the Florex Gardens. He was formerly of Salem, Va.

Oakland, Cal.—The ground, buildings and machinery of the East Ninth Pottery works have been purchased by the Garden City Pottery Company of San Jose.

Milwaukee, Wis.—The greenhouses formerly owned by Henry Mackery have been bought by Eisner Bros., one taking charge of the store and the other of the greenhouses.

Wheeling, W. Va.—Land on the south side has been purchased by W. D. Mathews and his business on North avenue will be moved to that location. New greenhouses will be erected.

Obituary.

George Redford.

George Redford, for about eighteen years superintendent of Mt. Vernon cemetery, Philadelphia, died at his home, Ardmore, Pa., on Aug. 20. Mr. Redford was well known in horticultural circles, having been connected with the Buist Gardens (then located at Darby, Phila.) for many years, and being also a member of the Pennsylvania Horticultural Society and the Florists' Club of Philadelphia for a long time. Mr. Redford was of a genial disposition, and made hosts of warm friends in every walk of life. He was high up among the Masonic fraternity, being a member of St. Albans Commandery, and was also connected with the G. A. R. in Winfield



GEORGE REDFORD

Scott Post. He is survived by his widow—nee Helen Buist, daughter of the late Robert Buist, the celebrated Philadelphia horticulturist, and a sister of Robert Buist, Jr., president of the Robert Buist Company. Interment took place in the family lot at Mt. Vernon on the 22nd—buried among a bed of roses, the same having been lovingly prepared by his old friend, John Westcott—the quiet city where he had so often officiated at the last roll call during his lifetime.

The writer knew George Redford intimately for over twenty years. He was an upright, honest, kind-hearted man, generous to a fault and greatly esteemed by everybody. We shall all miss him. Requiescat in pace.

GEORGE C. WATSON.

William Roach.

Mr. William Roach, head clerk at Danker's florist shop, Albany, N. Y., was drowned at Kinderhook Lake, about 1:45 o'clock on the afternoon of August 23. Mr. Roach was in a canoe which upset. Mr. Roach was a member of the Albany Florists' Club and

his death has been a great blow to the members. He left on Saturday, Aug. 20, for a two weeks' vacation, going to New York for three days and thence to Kinderhook Lake, and was drowned a half-hour after he arrived there. Up to time of writing his body had not been recovered.

Frederick A. Katoll.

Frederick A. Katoll, 976 Elicott avenue, for many years engaged in the florist business in Buffalo, N. Y., died at his home, August 15th. Mr. Katoll was 74 years old and his death was owing to a recent accident.

BULLETIN OF FOREIGN PLANT INTRODUCTIONS.

U. S. Dept. of Agriculture, May 24 to 31, 1910.

Ocimum Basilicum. 27812. From Erivan, Caucasus. A Caucasian summer vegetable, called 'Rahan.' Apparently a *Salvia*, or some nearly related labiate. (Meyer's introduction.)

Opuntia Sp. 27935. From Manila, P. I. Presented by Mr. William S. Lyon. "An absolutely spineless *Opuntia*. I fancy it is not indigenous because I have only found it about habitations. I will warrant it with never a rudimentary spine. It makes a woody caudex, as thick as a man's thigh, grows from 11 to 13 feet tall and of like diameter of crown." (Lyon.) For distribution later.

Passiflora Sp. 28010. From Peru. Presented by Prof. William Curtis Farabee. "Small fruits, growing on a vine; very good." (Farabee.) For distribution later. (See photograph of *P. ligularis*.)

Phaseolus coccineus 27817. A large white bean, probably runner; said to grow in Kherson Government, Southwest Russia, where the climate is warm and rather dry in summer. These beans are much eaten by Jewish residents in Russia. (Meyer's introduction.)

Phaseolus vulgaris. 27818-826. A collection of 9 varieties of native Caucasian beans from Tiflis, Caucasus. 27984-985. Two varieties of beans from Elisavetpol and Geok-Tapa, Caucasus. Said to be among the finest beans in existence for culinary purposes. To be given special care and tested in hot and semi-arid regions. (Meyer's introductions.)

Phaseolus vulgaris. "Succotash bean." 22954. Seed grown at Arlington Farm, Va., by Prof. C. V. Piper. Original seed presented by Mr. G. S. Arnold, Angelica, New York, June 10, 1908. He says of it: "They are climbers, prolific and very nice for table use as green shelled beans." For distribution later.

Protea mellifera. 28016. From Cape Town, South Africa. Presented by the Conservator of Forests. A South African bush, useful both as an ornamental and as a bee plant. For distribution later.

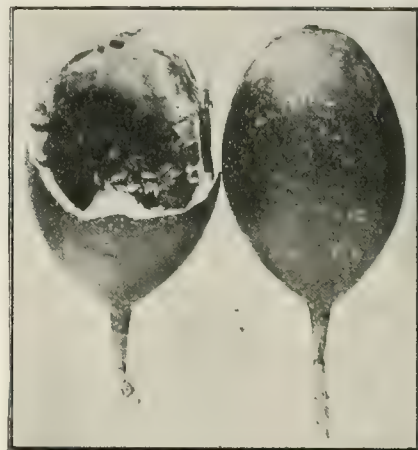
Prunus pumila. 28022. From Tiflis Botanical Garden, Caucasus. A low-growing bush cherry found in dry, stony places in the Caucasus. Bears a multitude of small, rosy flowers in April, and small, sour fruits which can be used for jellies. Recommended for use in hybridizing to create large-fruited, bushy forms of cherries for

arid and semi-arid regions. (Meyer's introduction.)

Raphanus sativus. 27807. From Erivan, Caucasus. A local variety of radish, being large, round and of a bright red color. A spring vegetable. 27808. Large, long, white radish from Erivan. (Meyer's introductions.)

Sicana odorifera. 28012. From Urubamba River, Peru. Presented by Prof. Wm. Curtis Farabee. "Seeds from a red gourd or pumpkin, growing on a vine which makes good shade. The fruits are good to eat and have a very pleasant odor." (Farabee.) For distribution later.

Vigna unguiculata. 17930. From Atlanta, Ga. Purchased from Messrs. H. G. Hastings & Co., who says of it: "This is a strictly new cowpea found by us in the hands of an Atlanta gardener. We call it the Quick Pea, because it is the quickest in the market. It makes plenty of long, slender, meaty, fine flavored pods for use as



PASSIFLORA LIGULARIS.

"One of the best of the passion vine fruits. The fruit is about the size of an egg, with a parchment-like skin, containing a sweet acidulous pulp surrounding the seeds. It grows on a vine which clings by tendrils, and is cultivated on verandas and arbors, producing fruit in a few months after planting. The fruit is used in making sherbets and refreshing drinks. It is recommended for tropical and sub-tropical regions, and for greenhouse culture." (W. E. Safford.)

snaps, coming in before anything else. Three crops a year can be grown." For distribution later.

NEWS NOTES.

Ocean View, Cal.—H. Plath, 510 Wyoming avenue, writes that he is building a packing house and stable instead of a fern house, as has been reported.

Fullerton, Cal.—The ornamental and floral department of the Orange County Nursery and Land Company have been purchased by T. D. Robertson, who has been connected with the concern for the last ten years.

It has been announced that on October 1st, next, the first number of "Landscape Architecture," a quarterly magazine devoted to the interests of the profession, and serving as the official organ of the American Society of Landscape Architects, will be published by Chas. D. Lay, H. V. Hubbard and Robt. Wheelwright, with office at 103 Park avenue, New York City. Subscription price \$2.00 a year.

VOLUME
1
NUMBER
8

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 20th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., 1 lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., 1 lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, 1 lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., 1 lb. \$1.50.

Greenbrook. White standard slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., 1 lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., 1 lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

Mrs. Zvolanek. Blue variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, 1 lb. \$5.00.

Wallace. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, 1 lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, 1 lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, 1 lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century.

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,

\$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS,

WILLIAMSTOWN,
JUNCTION, N. J.

NEWS NOTES.

New Orleans, La.—G. W. Eichling is in the Carolina mountains for a month in the hope of benefiting his health.

Concord Junction, Mass.—The greenhouse that was being built for Leonard Cousins is completed and is one of the largest in this part of the state. The beds have been filled with plants and contain about 18,000 carnations.

Waterbury, Conn.—We are informed that Alexander Dallas has not only purchased the Lockhart estate, but also the Kilburne estate, which adjoins it. The three greenhouse plants will be moved and some new houses added. The land purchased comprises about 50 acres.

Hastings, Nebr.—C. B. Tanner & Co. write that they have purchased eleven lots for a consideration of \$4,500. They expect to use these in an enlargement of their business. They have just completed three new houses each 28 x 80 feet, and a potting shed and storage room 16 x 120 feet. A new boiler is being installed and they intend soon to put in a Moorehead steam trap. Another house 24 x 80 feet will probably be built this fall.

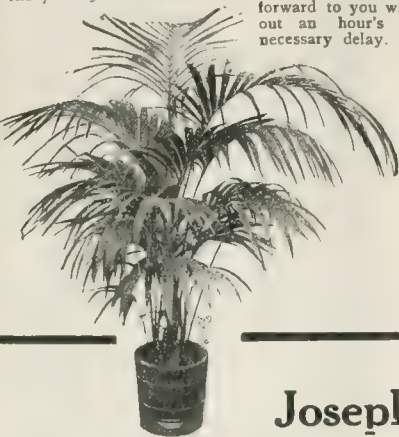
Heacock Palms Will Help You Establish a Trade That Increases With Each Season

You can, by handling Heacock's Palms, make your Palm sales one of the substantial, dependable assets of your business—your trade in them *this year* will help you *next year* and *every year*.

We put the best of our many years' experience into our Palm business. We grow the plants right here from the seed; that is your assurance that they are sturdy, well-developed, acclimated. Further, this guarantees to you that our Palms will do well for your customers, when given ordinary care, bringing you not only more Palm business, but more trade in the other things you sell, as well.

"Heacock Quality" has helped scores of florists all over the country to make their Palm Departments pay. It will help you, and we suggest *now* is an excellent time to place your order. The following list represents some of the finest stock we have ever grown, and as you will see, our prices are no higher than you would pay elsewhere.

Give us a trial order, and we will prove to you that the *quality* of ours is *better*—and the stock will go forward to you without an hour's unnecessary delay.



ARECA LUTESCENS

	In. high.	Each.
6-in. pot....3 plants in pot..	26 to 28..	\$1 00
7-in. pot....3 " " "	30 to 32..	2 00
8-in. pot....3 " " "	36 " "	2 50
8-in. pot....3 " " "	42 " "	3 00

COCOS WEDDELLIANA

	In. high.	Per 100
2 1/2-in. pot.....	8 to 10.....	\$10 00
2 1/2-in. pot.....	10 to 12.....	15 00

KENTIA BELMOREANA

	Leaves.	In. high.	Each.	Per doz.	Per 100
5-in. pot.....	6 to 7..	18 " "	\$6 00	100	\$50 00
6-in. pot.....	6 to 7..	22 to 24..	\$1 00	12 00	
6-in. pot.....	6 to 7..	24 to 26..	1 25	15 00	
6-in. pot.....	6 to 7..	26 to 28..	1 50	18 00	
7-in. tub or pot..	6 to 7..	34 to 36..	2 50	30 00	
7-in. tub or pot..	6 to 7..	36 to 38..	3 00		
7-in. tub or pot..	6 to 7..	40 to 45..	4 00		
9-in. tub.....	6 to 7..	42 to 48 very heavy,	each \$5 00		
9-in. tub.....	6 to 7..	48 to 54 " "	" 6 00		
9-in. tub.....	6 to 7..	5 ft. " "	" 8 00		

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz
6-in. pot.....	5 to 6..	28 to 30.....	\$1 00	\$12 00
6-in. pot.....	6 " "	34 to 36.....	1 50	18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot.....4 plants in pot.....	36 " "	\$2 50
7-in. " " " " " " " " " " " "	36 to 40.....	3 00
9-in. " " " " " " " " " " " "	42 to 48.....	5 00
9-in. " " " " " " " " " " " "	4 ft. high, heavy.....	6 00
12-in. " " " " " " " " " " " "	6 ft. " "	15 00

CIBOTIUM SCHIEDEI

	Ready in September.	Stock limited.	Each
9-in. tubs.....	4 to 5 ft. spread.....		\$6 00
9-in. " " " " " " " " " " " "	6 ft. " "		7 50

PHOENIX ROEBELII

5-in. pots nicely characterized.	\$1 00	6-in. pots nicely characterized.	\$1 50
7-in. pots nicely characterized.	\$2 00		



Our new Price-list is ready. Have you received YOURS yet? If not, let us know and we will send a copy by next mail

"WHEN IN PHILADELPHIA BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

J. F. HUSS IN SWITZERLAND.

A letter from J. F. Huss, of Hartford, Conn., who is in Switzerland on a visit to his aged mother, tells of the remarkable period of continued rains which has prevailed there, extending over two months this summer. We on this side of the Atlantic would be very glad if we could have a share of it. Mr. Huss writes:

Arriving at Paris I spent the rest of my afternoon by visiting that always celebrated Park Monseaux. I was very much disappointed to see now poorly all the beddings looked from constant rains and cold nights, and the same condition exists all over Switzerland. From the whole length of France to this lovely country on the level grounds the water is lying everywhere on the top. Rivers everywhere are overflowing. Great inundations have taken place in many localities of Switzerland. The viticulture, so famous about Lake Lemau, is ruined for this year again, as last year was a similar one. The agriculturist also is suffering everywhere very severely. Vegetables have been ruined in many, many places. There seems no pros-

pect for a change of the weather conditions. The torrents of rain storms arrive when least expected and I cannot make plans to go anywhere.

Telling of a festival that occurred at Berne, Mr. Huss describes most enthusiastically the decorations of the city which he says were the most beautiful he had ever seen. All the main streets were adorned for their whole length with spruce trees on each side, some 35 ft. in height and 25 ft. apart, with garlands of spruce branches in waving line from tree to tree, and the windows throughout the city were decorated with red and white geraniums—the national colors. The Crimson Rambler roses all over Switzerland impressed him with their brilliancy, the colors being much more vivid than is the case in America.

PUBLICATIONS RECEIVED.

Report of the Board of Park Commissioners of Wilmington, Del., for 1909. Wilmington's public reservations appear to be in good hands.

The Proceedings of the 35th Annual Convention of the American Association, held in Denver, Colo., June 8, 9 and 10, 1910, is a book of 160 pages, containing the usual report of the papers and discussions, list of members, etc. The nurserymen go to their meetings for business purposes and this record shows that the business of importance to all engaged in the nursery trade was not neglected at Denver.

Agricultural and Botanical Exportations in Palestine, is the topic of Bulletin No. 180, issued August 4, by the Bureau of Plant Industry, Dept. of

Agriculture, Washington, D. C. This interesting (and doubly interesting to many) publication is the work of Aaron Aaronsohn, Director of the Jewish Agricultural Experiment Station at Haifa, Palestine. It is replete with pertinent maps, views and drawings.

APHINE'S Increasing Popularity

As a general insecticide for destroying greenhouse and outdoor pests,

Is due to the hearty endorsements of the many expert floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of the trade.

It does all that is claimed for it, and more.

Ask your supply house for Aphine, or write us for name of our nearest selling agency.

Aphine Manufacturing Company
MADISON, N. J.

MÜLLER'S DOUBLE IMPROVED



CARNATION SUPPORT

Is the only Support on the market that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks For Itself.

O. A. MÜLLER,
Ambler, Pa.

Patented Feb. 8, 1910

DREER'S PAEONIAS

We will dig our Paeonias in September, and are booking orders for September and October delivery at special prices. The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000		Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00	Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00	Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00	Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00	Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Canary. Fine large early white, with creamy centre	2.00	15.00		Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00	Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00		Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Candidissima. Sulphur yellow.....	2.00	15.00		Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00		Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00		Queen Victoria. A good early white....	1.50	10.00	90.00
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00		Reine des Fleurs. Rosy pink.....	2.00	15.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00		Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Delachei. Amaranth red.....	2.00	15.00		Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00	Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Francois Ortelal. Brilliant crimson; full double flower	3.00	20.00		Zoe Calot. White, suffused with delicate rose	2.00	15.00	
Festiva maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00				
Grandiflora rosea. Brilliant rosy carmine; large and double.....	2.00	15.00					
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00				
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00				
Humei Rosea. Deep rose.....	1.50	10.00	90.00				
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00					

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list will be mailed to florists and nurserymen in September. If you receive no copy, write for it.

H. A. DREER, Inc., 714 Chestnut St. Philadelphia, Pa.

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

- 6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.
- 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.
- 9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of NEPHROLEPIS, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson NEW YORK

SOCIETY OF AMERICAN FLORISTS

Guests of Rochester Florists



REPORTS OF STATE VICE-PRESIDENTS.

R. A. Vincent, Maryland.

We are glad to note that building activity continues and improvements in every way all along this line seem to be the order of the day, many old places being torn down to make way for modern constructions.

Business has been a little above the average, Easter trade far in advance of other seasons. Spring trade was good, all good stock being well cleaned up. The seedsmen report an excellent spring trade. The great suburban development has created an extensive demand for all kinds of bedding and nursery stock.

The Florists' Exchange, owned and controlled by growers, has been very successful in advantageously disposing of all stock, both cut flowers and plants, in a very satisfactory manner.

Maryland is coming to the front as a great apple center, a large capital is being invested, and thousands of acres planted on the mountain sides in the western part of the state, where the finest that can be produced anywhere are being grown.

The Maryland State Horticultural Society has held two very notable meetings, the one held last December being a complete success. The exhibition was a revelation in regards to the state resources in the fruit line and created great enthusiasm among the members. The summer meeting just held is conceded to have been the

most successful ever held in the history of the association.

The Gardeners' and Florists' Club has been wide awake. Their meetings have been full of interest and well attended. The membership has greatly increased, several special meetings have been held at which prominent speakers lectured on interesting subjects. The club being firm in the belief of unity of effort of kindred associations, looking to the betterment of every horticultural interest, is affiliated with the Farmers' League and the Maryland Horticulture Society.

The legislative committee has been on the alert watching legislation, seeing if anything could be done in the interest of the horticulturist and that no adverse laws should be passed. They have urged liberal appropriation for the purpose of advancing all horticultural interests. They have also

INTERNATIONAL ORNAMENTAL HORTICULTURISTS

Association at Manitou Beach



urged on the representatives in Congress to use their utmost influence in securing a Parcel Post enactment.

W. W. Coles, Indiana.

As far as can be learned from Indiana florists, business has been the best in its history. In all quarters an optimistic view is taken of business in general. However, the increase in greenhouses is less than in former years, largely due, no doubt, to the high price of glass.

The carnation is more in demand than any other cut flower, although more roses than usual have been used during the past season. The principal call is for pink and white—Beauties and Richmonds running perhaps twenty per cent. of the total sales. Nearly everyone who grows roses is growing Killarney and discarding

Bridesmaid, while most of them continue to grow the Bride. It is estimated that 80 per cent. of the carnations grown could be included in the following six varieties—Enchantress, White Enchantress, Rose Pink Enchantress, White Perfection, Beacon and Victory. There is a growing demand for Afterglow, which seems to be taking the place of Lawson. The tendency of the retail demand is for a better grade of both cut flowers and plants, for which the people are willing to pay a fair price.

Hardy flowering shrubs and herbaceous plants are selling in increased numbers. It is recommended that all retail florists push this department.

The State Florists' Association, organized nearly a quarter of a century ago, will give a Chrysanthemum show at Tomlinson Hall, Indianapolis, Nov. 8 to 12 inclusive. It is hoped that

brother florists from other states will visit us and make exhibits. A new association has been formed and was incorporated July 20, 1910, as the Northern Indiana Florists' Association. Its membership consists mostly of florists from about ten counties in the northern part of the state. It is thought this society acted wisely in making the dues only \$1.00 per year. The membership is likely to be much larger at this nominal figure and the larger the membership the more good a society can accomplish.

We have every reason to be proud of our state because it has given the trade more good new roses and carnations than any other state, or it may be safe to say any other two states. It has also produced many good standard chrysanthemums and no better American Beauties are grown anywhere than in Indiana.

Good Spawn The Foundation

That there is good money for florists, farmers, village people, amateurs, in growing mushrooms is admitted.

IF

Of course there are a lot of "IFS" in this as in everything else; but the first and biggest "if" in the path of success is

IF

You Start with Good Mushroom Spawn

Our special circular [free] tells the story. New importations of Michell's Finest English Spawn just in.

10 lbs. \$1.00	50 lbs. \$3.50
100 lbs. \$6.50	

Sample Brick by mail, postpaid, 25c.



CAN ALSO FURNISH

Lambert's Pure Culture

AND

Anglo-American Pure Culture

at regular rates.

Send for our Midsummer Wholesale List.

Henry F. Michell Co., 518-1018 Market St. Philadelphia, Pa.

Seed Trade

Onion Sets Around Chicago.

A thorough canvass of the "Set" fields in the vicinity of Chicago shows that the acreage devoted to this industry is somewhat larger than last year, the larger growers curtailing their acreage while the smaller ones were increasing theirs. The yield per acre is lower and the total product will be slightly below the average. Leesley Bros. last week commenced the harvesting of 65 acres of sets. Their place at Harlem avenue and 22nd street is an interesting sight, with 300 women and children pulling the sets at the rate of from two to three thousand bushels per day. The laborers are mostly Bohemians and Polish women and the swiftest ones earn three dollars and over per day. Leesley Bros. have been fortunate in their location, the West Side having had more rain than the others, and their yield is estimated as two-thirds heavier than that of last year.

The Three B's of the Seed Trade.

We who are in the know how and know what we are talking about, call them Buist, Bruggerhof and Burpee. If anyone has any amendment to this let him speak up. The rest of us are kids in comparison. All three are from the ground up and know every nail and plank from cellar to garret and can afford to be tolerant with scientific schools, government departments, et al. On second thought we might add another B—Breck, and make it four big B's. We take our hats off

to the order—the ancient and honorable order of B's of the seed trade. Gentlemen, you have done great stunts in your time and HORTICULTURE takes pleasure in saying, "here's how" to you.—G. C. W.

Seed Warehouse Burned.

The Griswold Seed Company warehouses at Lincoln, Nebraska, were destroyed by fire Tuesday night, Aug. 16, supposedly originating in a stroke of lightning. The loss is covered by insurance.

The alarm at 10 o'clock brought the department to the burning warehouses, which were then a sheet of flame, the heaps of dry seeds burning like tinder.

The three-story building was destroyed, but the firemen succeeded in controlling the flames and saved the large two-story structure containing other departments of the company's plant.

The stock is estimated by officials of the company as having been worth \$26,000 and the building at \$6,000. It is stated that rebuilding will begin immediately.

Another One for Dr. Osler.

Alfred Kochersperger entered the employ of the Robert Buist Co. in 1868 as a boy and he is there yet after 42 years—and one of the best men in the bunch today. That says great things both for the company and for the man. The writer being in doubt about the color of the seed of Morse Lettuce applied to Alfred—never expecting he knew anything about it (the variety not being handled by them); but he gave the correct data quicker than a

wink. If you only stop to think—it's really the old ones who are running the world. Kids under forty are all right if they have some one to tell them what to do. G'wan Dr. Osler.—G. C. W.

Notes.

T. H. Hill has taken charge of the department for the Gurney Seed Company, Yankton, S. D. He was formerly with the Landreth Seed Co., Bristol, Pa.

Winterport, Me.—Louis Atwood has bought the large building on Washington street, formerly owned by his brother, and will occupy it for his seed business.

Lake County, Ill., claims the distinction of having the largest corn field in the state—one continuous field of corn. It lies near Grays Lake and contains 600 acres of sweet corn, being grown by J. Hogenberger for the canning factory at Grays Lake village. There is probably no larger field of sweet corn in the world.

CATALOGUES RECEIVED.

J. M. Thorburn & Co., New York, N. Y.—"Thorburn's Bulbs, 1910." This model bulb catalogue is now being sent out and will do no small part in interesting and educating the public in this absorbing department of garden work.

New England Nurseries, Inc., Bedford, Mass.—"New England Bulbs and Flowers," Fourth Edition, Autumn, 1910. A very fine catalogue, handsomely illustrated and offering a large list of choice varieties in bulbs, herbaceous plants, trees and shrubs for ornamental gardening.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

WHITE PEARL ONION SETS

NOW READY

LOWEST PRICES ON APPLICATION

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

228-230

W. KINZIE STREET CHICAGO

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be shown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Pink
Giant White, Giant Blood Red
Giant Excelsior, White with claret base
Picturatum, Pink with claret base, Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 and 7 So. Market St., BOSTON, MASS.

FALL BULB CATALOGUE

If you have not received a copy send for it.

James Vick's Sons

ROCHESTER, - N. Y.

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr.	Pkt.
Forget-Me-Not, Victoria for pots,	\$2.50		\$0.35
Mignonette, Zangen's Triumph,	3.00		.50
Pansies, Special Florists' Mixture,	4.00		.50
Stocks, Princess Alice, pure white,	3.00		.50
Beauty of Nice, Carmine, Daybreak,			
Rosy Lilac, Snow White, each separate,	3.00		.50

O. V. ZANGEN, Seedsman - Hoboken, N. J.

ESTABLISHED 1820

*Thorburn's
Bulbs*

LILIUM HARRISII

High Grade Stock
5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Prices

Roman Hyacinths, Paper White Narcissus, Dutch Bulbs, Cyclamen Giganteum seed, new crop now ready.

Inquiries Solicited

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head 20c. \$1.00
10,000 and over, 85cts. per 1,000

CELERY—White Plume,
Golden Self Blanching, Giant
Pascal, Golden Heart and
Boston Market 20c. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Horseshoe Brand Formosa Lilies

in all sizes ready
for immediate
shipment.



Not How Cheap
But How Good

Write for prices

RALPH M. WARD & CO.

12 West Broadway

NEW YORK

FREESIAS

	100	1000
Selected,	\$.75	\$6.50
Mammoth,	1.25	9.00

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE
SEEDS
FOR THE
FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

PERSONAL.

Robert Montgomery, of Natick, Mass., is luxuriating in the sea breezes of Casco Bay, Me.

Joseph Margolis of H. M. Robinson & Co., Boston, returned from Europe on the Campana, August 20.

H. Frank Darrow returned to New York Aug. 22, after spending a few weeks in Europe visiting his foreign connections.

Frank Dolansky, of Lynn, Mass., was called home on Thursday, by telegraph, from the convention at Rochester, on account of a serious accident to his son.

We regret to announce the serious illness of F. R. Mathison, of Clematis Brook, Mass. Mr. Mathison has been more or less incapacitated for several months past, but his illness has been gradually assuming a more serious aspect and causes intense suffering. Mr. Mathison is well-known among the florist fraternity and a host of friends will wish for his early recovery.

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow....	Sept. 2
Atlantic Transport.	
Minnewaska, N. Y.-London....	Sept. 3
Cunard.	
Ivernia, Boston-Liverpool....	Aug. 30
Mauretania, N. Y.-Liverpool....	Aug. 31
Caronia, N. Y.-Liverpool....	Sept. 3
French.	
La Touraine, N. Y.-Hayre....	Sept. 1
Hamburg American.	
Pennsylvania, N. Y.-Ham'g....	Aug. 31
K. A. Victoria, N. Y.-Ham'g....	Sept. 3
Holland-America.	
N. Amsterdam, N. Y.-Rot'dam....	Aug. 30
Noordam, N. Y.-Rotterdam....	Sept. 6
Leyland.	
Cestrian, Boston-Liverpool....	Aug. 31
North German Lloyd.	
Berlin, N. Y.-Mediterranean....	Aug. 27
K. Wilhelm, N. Y.-Bremen....	Aug. 30
G. Kurfurst, N. Y.-Bremen....	Sept. 1
K. Wilhelm II., N. Y.-Bremen....	Sept. 3
Red Star.	
Finland, N. Y.-Antwerp....	Aug. 27
Vaderland, N. Y.-Antwerp....	Sept. 3
White Star.	
Arabic, N. Y.-Liverpool....	Aug. 27
Teutonic, N. Y.-Southampton....	Aug. 31
Baltic, N. Y.-Liverpool....	Sept. 3
Cymric, Boston-Liverpool....	Sept. 6

Wm. E. Harries of Buffalo, N. Y., has passed the examination with a record of 95 per cent, and will succeed the late Mr. Perry who died in May last, as superintendent of New York State Reservation at Niagara Falls. Mr. Harries is a Cornell graduate and spent two years studying in France and Germany and one year with Prof. Cowell at the Buffalo Botanic Garden. His age is 26.

Visitors in Boston: Hon. Philip Breitmeyer and wife, Mr. and Mrs. J. Gillespie, Detroit, Mich.; Duncan Robertson, Chicago; J. W. Thompson, Supt. Parks, Seattle, Wash.

Visitors at Albany, N. Y.: Thomas Madsen, representing the Erhard-Fredriksen & Theodor Jensen Co., seed growers, Copenhagen, Denmark; Fred M. Simon, representing Wolf & Co., Philadelphia; Robt. Greenlaw, representing the S. S. Pennock-Meehan Co., Philadelphia; Mr. Schloss, of Schloss Bros., New York.

Lancaster, Pa.—Harvey Schroyer now conducts the store at 151 North Queen street, formerly conducted by his father.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, LEADING FLORIST,

TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

LET US HELP YOU

Now that the Convention is over you will always find us "on our job" and we can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are creating a big sensation. Write us a line and we'll send you a list. At the same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILA., PA.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards. N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heintz.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tallby.

Springfield, Mass.—D. William Brainard is moving his cut flower establishment to the site of the Brainard Flower and Nursery Company on Springfield Street, for the purpose of concentrating both departments. It has previously been located on Pease Street.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

CHICAGO NOTES.

Severe Storm.

A very severe rain storm, accompanied by a high wind, visited Chicago and vicinity on the night of the 22nd. It is too early to get a full report at this writing, but it is quite probable that much damage was done. Many trees were torn up by the roots in the city streets and the trees in Lincoln Park suffered greatly. C. A. Samuelson, 21st street and Michigan avenue, lost some glass in his conservatories when a large sign came crashing down and considers himself fortunate that the damage was not greater.

Trade Notes.

There seems no question as to the outcome of the summer's business. As the last week of August comes many of the retailers longest in the business declare it to be one of the best summer seasons they have ever had.

Hoerber Bros. of Desplaines think their troubles with water all over for they have a fine flow from their well at a depth of 1133 feet. The drouth has delayed the planting of their carnations till now, but their stock is fine, having stood the weather in good shape.

Bassett & Washburn's Hinsdale employees and their families, to the number of 150, held a successful picnic on the 19th. They were given a half holiday and the firm generously donated all the prizes for the various games which numbered something like two dozen. So enjoyable was the occasion that it was decided to make the picnic an annual event.

Fischer Bros., of Evanston, have just completed the glazing of three new greenhouses 28 x 130 ft., and a show house 36 x 60 ft. They are now engaged in remodeling their retail store on Dempster street, and when completed they will have a fine up-to-date place. The greenhouses formerly used belong to the father, Fred Fischer, and are now used for forcing vegetables.

Personal.

Mr. and Mrs. O. P. Bassett sailed from Southampton, England, on the 19th on the Kaiserin Augusta Victoria. They will spend some time in the East before returning to Chicago.

Chas. McKellar and party reached Chicago safely Sunday morning after a six weeks' automobile trip covering over 4,000 miles. No accident marred the trip and Mr. and Mrs. McKellar

both look well and hearty after their long ride.

Mr. and Mrs. Joseph Brooks again have the sympathy of the trade. Their little son, who was lately sent home from the Augustina Hospital, where he had been confined many months with an injured knee, has shown symptoms of being worse and has again been taken to the hospital.

Fred Sperry has returned from Minnesota, where he went to seek rest and health, successful in both. During his absence, Lloyd Vaughan was taken ill from the same cause and this firm is now looking for an attachment to their icebox that will keep the flowers cool without chilling the salesmen.

Visitors: George F. Crabb, Grand Rapids, Mich.; H. W. Rieman, Indianapolis, Ind., on his way to the Yellowstone; Otto Appleloft of the Huron Greenhouses, Huron, S. Dak.; Thos. H. Hall, Minneapolis, Minn., on his way back from visit to old home in Canada; Geo. Currey, Birmingham, Ala.; Jas. S. Wilson, Des Moines, Iowa; Miss Rieman, Vincennes, Ind.; Milo Crozer, Cedar Rapids, Iowa; J. O. Kemble, Marshalltown, Iowa; C. A. Hewitt, Monmouth, Ill.; W. H. Englehart, of Idlewild Greenhouses, Memphis, Tenn.

IN BANKRUPTCY.

South Sudbury, Mass.—Soloman A. Anderson, florist, liabilities, \$2,001; assets, \$40.

Danville, Ill.—John Willius, florist, North Vermilion street, has filed a petition in bankruptcy. Liabilities \$6,363.52, assets \$6,695.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

ASTERS OF QUALITY

A large supply of extra fine stock.

\$1.00 to \$2.00 per hundred.

BEAUTIES

Local grown, good flowers and fine color.

\$1.00 to \$3.00 per dozen.

VALLEY

Choice stock, always a large supply on hand.

\$3.00 to \$4.00 per hundred.

LEO NIESSEN CO.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

The Raedlein Basket Company

Importers and Manufacturers of

FANCY BASKETS

Invite all florists going through Chicago to stop over and see their stock of baskets.

Two generations of Raedleins have been manufacturers of baskets in Germany and the Chicago branch has the best that your money can buy and cheaper because there are no middlemen's profits.

Close to the down town district, 713 Milwaukee Avenue.

*Under personal charge of the
Raedlein family.***CARNATIONS**

Pink, White and Red, the best coming to Philadelphia market. \$1.50; \$2.00 per 100

W. E. McKISSICK & BROS., Wholesale Florists
1619 1621 Ranstead St., Philadelphia**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG**

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.**Rice Brothers**Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WELCH BROS.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 23		Aug. 23		Aug. 23		Aug. 25	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
" Extra	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00	10.00	to 15.00
" No. 1	10.00	to 20.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	5.00	to 10.00	4.00	to 10.00	4.00	to 6.00	1.00	to 3.00
Bride, "Maid, Chatenay, F. & S.	5.00	to 6.00	4.00	to 7.00	4.00	to 6.00	2.00	to 4.00
" Lower grades	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	.50	to 1.00
Killarney, Richmond, Fan, & Sp.	8.00	to 10.00	6.00	to 10.00	4.00	to 6.00	3.00	to 5.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	2.00	to 3.00	.50	to 1.00
Kaiserin, Maryland, Fan, and Sp.	6.00	to 8.00	6.00	to 10.00	6.00	to 8.00	2.00	to 5.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	2.00	to 3.00	.50	to 1.00
CARNATIONS, Nov. and Fan.								
" Ordinary	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	.75	to 1.50
" .....	.50	to 1.00	1.00	to 2.00	1.00	to .....	.50	to .75
MISCELLANEOUS								
Cattleyas	10.00	to 50.00	30.00	to 60.00	.....	to	25.00	to 35.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.50	10.00	to 12.00	4.00	to 8.00
" Speciosum .....	.....	to .....	.....	to .....	.....	to	2.00	to 3.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Asters	1.00	to 4.00	.....	to	1.00	to 2.50	.50	to 1.50
Daisies .....	.50	to .75	1.00	to 1.25	.....	to .....	.25	to .50
Snapdragon .....	.....	to .....	.....	to .....	.....	to	1.00	to 2.00
Gladioli	2.00	to 6.00	2.00	to 5.00	2.00	to 4.00	8.00	to 4.00
Sweet Peas .....	.....	to .....	.35	to .75	.40	to .50	.70	to .80
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to 25.00
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	12.00	to 15.00	10.00	to 12.50	8.00	to 12.00
Asparagus Plumosus, strings (100) ..	50.00	to 75.00	45.00	to 60.00	35.00	to 50.00	.....	to 50.00
" " & Spen. (100 bchs.) ..	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,15 PROVINCE STREET,
9 CHAPMAN PLACE,**BOSTON, MASS.****HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers**ALWAYS GOOD,
FRESH STOCK.Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. **Roses and Carnations Our Specialty****Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHERRY
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

FIELD-GROWN
CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
AFTERGLOW	7.00	60.00
WINSOR	7.00	60.00
WANOKA	6.00	50.00
MAY DAY	8.00	75.00
ENCHANTRESS	7.00	60.00
WHITE PERFECTION	7.00	60.00
SNOW FLAKE	6.00	50.00
GEORGIA	7.00	60.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
O. P. BASSETT	7.00	60.00
DOROTHY GORDON	15.00	
VICTORIA	7.00	60.00
PINK DELIGHT	15.00	
CARNEGIE	6.00	
SPLENDOR	7.00	60.00
CHRISTMAS CHEER	15.00	125.00
APPLE BLOSSOM	7.00	60.00
LAWSON	6.00	50.00

Cut Flowers of All Kinds. Ribbons and Supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

1608-20 Ludlow Street,
PHILADELPHIA, PA.



Flower Market Reports.

BOSTON The recent influx of warm weather has augmented the cut of flowers—especially roses—and there is an abundance for every demand. The last few days have seen a falling off in the wholesale trade in consequence and prices to producers will not average as high as at the same date last year. The asters, peas and gladioli are now pretty well recovered from the effects of the storms of two weeks ago, and the quality of blooms coming in is excellent. Roses from young plants are still small, but are improving. Carnot and Kaiserin are still leading as to quality and are more sought after by buyers than any other variety. Beauty is in good supply with demand normal. Gladioli are very abundant, Shakespeare continuing to hold first place in the Boston choice. There are no carnations worth mentioning. Asters are fine. Asparagus plentiful; plumosus is more abundant than ever before at this time, and smilax is suffering on that account. Lily of the valley is good; supply and demand normal.

CHICAGO Out of door flowers, and a large proportion of them wild flowers, are occupying a large space on the counters of the wholesalers. Lobelia cardinalis, particularly, finds ready sale and makes a showy window flower. Goldenrod is a good companion flower. Carnations are scarcely worth taking into account and really play little part in the market. Roses are improving with each week and some very good

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 23	DETROIT Aug. 23	BUFFALO Aug. 23	PITTSBURG Aug. 23
ROSES				
Am. Beauty, Fan. and Sp.	25.00 to 30.00	16.00 to 20.00	20.00 to 25.00	15.00 to 20.00
" Extra	20.00 to 25.00	12.00 to 16.00	10.00 to 12.00	10.00 to 12.50
" No. 1	10.00 to 20.00	9.00 to 12.00	6.00 to 10.00	6.00 to 8.00
" Lower grades	6.00 to 10.00	3.00 to 8.00	3.00 to 4.00	..... to 4.00
Bride, 'Maid, Chatenay, F. & S. ....	..... to 10.00	6.00 to 8.00	4.00 to 7.00	6.00 to 8.00
" Low. gr.	4.00 to 6.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp. ....	..... to 10.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" Lower grades	8.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Maryland, Fan. and Sp. ....	..... to 10.00	5.00 to 9.00	6.00 to 7.00	6.00 to 8.00
" Lower grades	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, Novelties and Fancy				
" Ordinary .....	..... to 2.00	1.50 to 2.00	1.00 to 1.50	..... to 2.00
" .....	.50 to .75	1.00 to 1.50	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas .....	..... to 10.00	..... to 15.00	8.00 to 10.00	6.00 to 8.00
Lilies, Longiflorum	6.00 to 10.00	..... to 15.00	3.00 to 4.00	..... to 10.00
" Speciosum .....	..... to 4.00	3.00 to 4.00	..... to 4.00	2.00 to 4.00
Lily of the Valley	3.00 to 4.00	1.00 to 2.00	.40 to 2.00	1.00 to 2.00
Asters .....	.25 to 3.00	.50 to .75	..... to 1.00	..... to 1.00
Daisies .....	..... to 4.00	.50 to 1.00	..... to 1.00	..... to 1.00
Snapdragon	1.00 to 4.00	..... to 1.00	2.00 to 4.00	..... to 1.00
Gladioli .....	.50 to 3.00	.30 to .50	..... to 1.00	..... to 1.00
Sweet Peas .....	..... to 1.00	.50 to 1.00	1.00 to 1.00	1.00 to 1.25
Gardenias .....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum .....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Smilax	10.00 to 12.50	..... to 15.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100) ..	25.00 to 50.00	20.00 to 40.00	..... to 15.00	30.00 to 50.00
" & Spreng. (100 bchs.) ..	15.00 to 25.00	20.00 to 40.00	..... to 15.00	30.00 to 50.00

Beauties, Kaiserins, Brides, Bridesmaids and Richmonds are coming in. Gladioli now have a rival in dahlias, the first of which appeared this week. They were evidently not needed for they sold slowly. Some straggling, early chrysanthemums may be seen in various places, but these too, seem to have arrived before the demand and are not salable. Asters are at their best, which is not saying much, though there are some very good flowers in the market. Probably one bunch in

twenty that comes in can be considered first-class, and there is nothing strictly fancy. There is plenty of everything in green stuff except Asparagus plumosus. No better ferns have ever been seen here than are coming in now. Some of the shippers of Michigan ferns say their former places of cutting have been destroyed by fire and they have been obliged to hunt new places and have better stock in consequence. Asparagus Sprengeri is

Reports continued on page 323

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758 Madison Square New York
J. K. ALLEN
Wholesale Florist
Established 1887. Open 3 A. M. Daily
106 W. 28 St., NEW YORK
Tel. 167 Mad. Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.
REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending August 20 1910		First Half of Week beginning Aug 22 1910	
American Beauty, Fancy and Special.....	10.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Haid, Chateaux, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

George B. Hart
WHOLESALE
FLORIST
24 Stone St., Rochester, N.Y.

In ordering goods please add "I saw
it in HORTICULTURE."

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

NEWS NOTES.

South Pasadena, Cal.—Edward H. Rust has added seven acres to his present property and is planting it to nursery stock.

Ansonia, Conn.—The annual dahlia exhibition of the Intertown Dahlia Association will be held in the assembly room of Ansonia city hall on Sept. 17.

Flower Market Reports

(Continued from page 285)

plentiful, and the price varies with the quality. Trade is reported as generally better than is usual in August. This seems a favorite time of the year for Jewish weddings and the retailers report many of them. Handsome bouquets carried by the bride and maids call for the use of a good grade of flowers.

The market is with-

NEW YORK out any special feature at this time.

The aster crop is not abundant and yet there are plenty for all needs. Some of the varieties now coming in are of excellent quality and size, but more of them are very ordinary. Roses are on the increase and the cooler weather we have enjoyed recently shows in the improved quality of all kinds. With the exception of occasional sports Beauties are lower in price than in previous summers. Some very good Killarneys and Marylands are to be had. Bridesmaids and Brides are most of them short stemmed so far. Carnations are not worth mention, as there are but few of them. Cattleyas do not figure to any extent. Of field-grown stock, only gladioli and hydrangeas make any showing. Business is no duller than usual for August, which is always one of the duller in the year.

While there has been no great rush, we are glad

to report that for a mid-August week the last seven days were distinctly above the average for recent years. This is largely accounted for by the delightful weather this section has been experiencing for a month past. Fairly cool, fairly moist, breezy, and altogether comfortable for man, beast and plant. Such conditions have given us unusual quality in flowers, and this quality and the climatic conditions have stimulated buying. Among the choice items, American Beauty roses are particularly satisfactory, and the asters are now so big, long-stemmed and beautiful that they might almost be said to belong among the aristocrats—if the price were not so moderate. Kaiserin rose is still all right, of course, and a slight improvement, both as to color and substance, has been noticeable in Killarney and Maryland. Orchids are still very scarce—not half enough for the demand—and this situation is likely to remain unchanged until the labiate comes in next month. Water lilies are on the wane. The lily of the valley market was never better; fine grade, and supply and demand well regulated. Lilies are meeting with fair demand. Carnations are down to the bottom of the list, and almost a negligible quantity—although we found one oasis in the desert where they were surprisingly good, and the proprietor could, like the politician, "point with pride!" Plenty of greens.

ROBERT J. DYSART Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 20 1910	First Half of Week beginning Aug. 22 1910
Cattleyas.....	30.00 to 60.00	30.00 to 60.00
Lilies, Longiflorum.....	3.00 to 4.00	4.00 to 5.00
" Speciosum.....	1.00 to 2.00	1.00 to 2.00
Lily of the Valley.....	1.00 to 2.00	2.00 to 3.00
Asters.....	.20 to 2.00	.20 to 3.00
Daisies.....	.25 to .50	.25 to .50
Snapdragon.....	1.00 to 2.00	1.00 to 2.00
Gladioli.....	.25 to 1.50	.25 to 1.50
Sweet Peas (per 100 bchs).....	.75 to 1.50	.75 to 1.50
Gardenias.....	15.00 to 25.00	15.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	4.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings.....	..... to 35.00	..... to 35.00
" " & Spreng. (100 bchs).....	10.00 to 14.00	10.00 to 14.00

PHILADELPHIA NOTES.

Jno. D. Hooper, Richmond, Va., and the manager of the Minneborga Greenhouses (late Hammond's) of the same city, were recent visitors.

Clarence Watson, of the Leo Nissen Co., who was pretty nearly a goner at this writing last week, is, we are happy to say, back on duty again today (22nd) and begs that we will forget it. Send in your orders as usual.

Jno. Westcott and W. R. Smith of Washington, arrived in Philadelphia Sunday morning, highly pleased with their trip to Rochester. Mr. Smith sojourns for a few days with his old friends, the Stephensons, at Oak Lane, and may take in Waretown before he goes home.

J. Liddon Pennock is displaying with pardonable pride a handsome silver cup—the first prize at the Moonlight Carnival of the Seaside Yacht Club, held on the 20th inst. His sloop, the "Carolyn," won the premium honor for best decorated boat against a big field. (Excuse the field—it was an ocean, of course.)

Al. Swan, of the Pennock-Meehan Co., is nursing a broken left thumb. He won a back running race against his friend Mr. Carney, of Pittsburg, at the Rochester convention, but brother Carney doubted the judge's decision—naturally. Al., being a true sport, ran it over again and not only lost the first prize, but met with the other disaster. The lesson from this sad tale is—never tempt fate more than you have to, dear brethren.

M. Rice & Co. had the pleasure of entertaining in their passage through Philadelphia, the following distinguished visitors: Mr. and Mrs. E. C. Ludwig, Pittsburg, Pa.; Mr. Rook and friend from Gorman's, Williamsport, Pa.; A. Hall, of A. W. Smith Co., Pittsburg, Pa.; Mrs. P. Elberfeld and Mrs. C. Frazer, Kansas City (Alpha

Floral Co.), and some others whose names we did not catch.

Among the arrivals in our fair city this week we must not forget to mention Mr. and Mrs. Chas. Sim of Rosemont, back from their European tour. A splendid golf cap and a lavender silk net necktie are the mementos from Scotland to the Philadelphia office of HORTICULTURE.

Another breezy event in the visitor line was the advent of John Walker and his good lady; from Youngstown, O. Some men laugh from their lips, some from their mouths, some from the larynx, but John laughs all over! One of the greatest things in my enjoyment of Philadelphia life in the past twenty years has been listening to the Walker symphony in laughter. He has no call to be proud of it; but it is one of the most characteristic things that I can think of (outside of Warren Ewell), that has helped to reconcile me to a cold and censorious world. Salaams, John!

Echoes of the convention: "We had a grand time, and did some good business. Sorry our bowling team couldn't make better than third place."—D. T. Connor. "I was a day or two late, but glad I went. Found out a whole lot about the florists' attitude to the glass business, and can meet their views. We can keep all the glass business at home with some mutual concessions."—Edward H. Flood. "The Rochester boys did themselves proud, and I am glad I went. Home again; tired but happy."—John Westcott. "Good convention, good business, good time; everybody pleased and delighted with Rochester."—Ben Eschner. "Fine convention—the best in my recollection. Splendid arrangements by the local club, and general and lavish courtesies to every visitor. I was greatly pleased with the big turn out of ladies. There must have been 140, and everyone got an automobile ride. The last day at the beach was simply grand."—J. Otto Thilow.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lancaster, Pa.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

J. A. Peterson, Cincinnati, Ohio.
Winter Flowering.

Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1183
Broadway, N. Y.

Kroschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.
Horseshoe Brand
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Peter Henderson & Co., New York, N. Y.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
Field-Grown.
For page see List of Advertisers.

Wanted—1500 Queen Carnation Plants,
300 White Enchantress, 300 Pink, 300
Beacon, 300 White Perfection, 200 Spren-
geri. Send lowest cash price, also if will
exchange for Fair Maid plants. Box 350,
So. Walpole, Mass.

2000 field grown Carnations. We have
a surplus of a light pink seedling. Large,
stocky plants, very prolific; \$6.00 per 100.
Cash with order. Leonard Cousins, Jr.,
Concord Junction, Mass.

Carnations, Field grown, strong plants,
800 Queen, 800 Winsor, 250 Beacon, 600
Fenn, 125 Lady Bountiful, 100 Lawson,
\$6.00 per 100. Cash. Chas. H. Green,
Spencer, Mass.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

Chrysanthemums. Rooted cuttings and
2¼ inch pot plants in 60 best commercial
varieties. Stafford Floral Co., Stafford
Springs, Conn.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum. Large
flowering, mixed colors, fine bushy plants,
4 inch, \$10.00 per 100. Cash. J. W. Mil-
ler, Shiremanstown, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.

Herbert, Acton, N. J.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.

For List of Advertisers See Page 238

FANCY BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Lenth Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

E. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hildinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FREESIAS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 65 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.

Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.

Geraniums, rooted cuttings of Riccard,
Poitevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1183
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1183 Broadway, N. Y. Special Glazing
Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
ties, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1350-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
iron Frame Houses. Lord & Burnham Co.,
1183 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1183 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Essler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
25 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1183 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
8-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, extra nice field-grown
plants for next seasons blooming, with
from 3 to 12 flowering crowns. Ready for
immediate delivery at 2c. for each crown.
Satisfaction guaranteed or money refunded.
F. Langenbach, Norwich, Conn.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotifide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.
- Benjamin Hammond, Fishkill-on-Hudson,
N. Y.
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

KENTIAS

- A. Leuthy & Co., Rosindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LILIUM FORMOSUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

MUSHROOM SPAWN

- H. F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY PLANTS

- Pansy Plants, Giant Flowering, 50c. per
100; \$3.00 per 1000. John A. Burns, Frank-
ford Ave., Holmesburg, Phila., Pa.

PANSY SEED

- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.
- Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
E. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT BED CLOTH

- Plant Bed Cloth, three grades. Best
protection from sun and frost. Used for
Chrysanthemum houses, hot beds, cold
frames. Henry Derby, 123H Chambers
St., New York, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RHODODENDRONS

- John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- August Rolker & Sons, New York, N. Y.
New Baby Ramblers.
- The Rose by H. E. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
- Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

For List of Advertisers See Page 238

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

H. E. Fiske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Harrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

STOKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

CELERY PLANTS.—A No. 1 Transplanted, well rooted, the kind that grow, no culls, White Plume and Giant Pascal. Mail and express orders filled promptly. Let me price you by the 100, 1000 or 5000 lots. W. C. Lester, 67 West Main St., Plainville, Conn.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 28-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St., Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincinnati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St., New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Broad St., Philadelphia, Pa.
For page see List of Advertisers.

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**DOUBLE CARNATION SUPPORT.**

O. A. Muller, Ambler, Pa.
For page see List of Advertisers.

DUTCH AND FRENCH BULBS, CYCLAMEN SEED.

J. M. Thorburn & Co., New York.
For page see List of Advertisers.

GULF RED CYPRESS.

Foley Manufacturing Co., Chicago, Ill.
For page see List of Advertisers.

MUSHROOM SPAWN.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW CROP CAPE FLOWERS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

PLANTS FOR FALL HOUSING.

W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

RELIABLE SEEDS.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

List of Advertisers

	Page		Page		Page
Advance The Co.	321	Langjahr, A. H.	322	Tailby	318
Allen, J. K.	322	Lawrence, H. V.	318	Thorburn, J. M.	317
American Nursery	300	Leonard Seed Co.	317	& Co.	317
Aphine Mfg. Co.	312	Leuthy, A. & Co.	299	Thurlow's T. C.	300
Aschmann, G.	299	Lord & Burnham Co.	332	Sons, Inc.	300
Barrows & Son.	299	MacMulkin, E.	318	Totty, Chas. H.	299
Bayersdorfer, H.	319	Matthews	318	Valentine, J. A.	318
& Co.	319	McCarthy, N. F.	323	Vicks, Jas. Sons.	317
Beaven, E. A.	323	& Co.	323	Vincent, R., Jr.	317
Boblink & Atkins	300	McConnell, Alex.	318	& Sons.	299-317
Boddington, A. T.	311	McCray, Refrig-	319	Wadsworth, B.	317
Boston Florist	319	erator Co.	319	E.	299
Letter Co.	319	McCullough's J.	320	Wants, For Sale.	328
Boston Plate & Window Glass Co.	331	M. Sons Co.	320		
Breck, J. & Sons.	317	McFutchison & Co.	293		
Breitmeyer's, J.	318	McKellar, C. W.	320		
Sons	318	McKissick, W. E.	320		
Bridgeman's Seed Warehouse	317	& Bros.	320		
"Buds"	317	McManus, Jas.	322		
Burpee, W. A. & Co.	317	Metropolitan Material Co.	331		
Burr, C. R. & Co.	300	Michell, H. F.	316		
Buxton, Doane Co.	331	Co.	316		
Carrillo & Baldwin	298	Michigan Cut Flower Ex.	323		
Chicago Carnation Co.	299	Millang, A.	322		
Clarke's, D. Sons	318	Millang, Chas.	322		
Cowee, W. J.	320	Moninger, J. C.	331		
Craig, Robt. Co.	300	Co.	331		
Crawbuck, G. W.	322	Moore, Hentz & Nash	322		
Crawford, H. F.	328	Morse, C. C. & Co.	317		
Dards	318	Muller, O. A.	312		
Dingee & Conard Co.	300	Murray, Samuel	318		
Dorner & Sons Co.	299	N. E. Nurseries	300		
Dreer, H. A.	319-330	Niessen, Leo Co.	320		
Dunlop, John H.	318	Nicotine Mfg. Co.	329		
Dysart, R. J.	323	Oechslin, Frank	299		
Edgar, W. W. Co.	298	Ordenez Bros.	298		
Edwards Folding Box Co.	320	Ouwkerk, P.	300		
Ellwanger & Barry	311	Palethroe, P. R.	320		
Elliot's, W. Sons	317	Palmer, W. J. & Son	318		
Esler, J. G.	331	Park Floral Co.	318		
Ernest, W. H.	330	Parshelsky Bros.	331		
Eyres	318	Peacock Dahlia Farms	311		
Farquhar, R. & J. & Co.	317	Pennock-Meehan Co.	321		
Fiske, H. E. Seed Co.	317	Perkins St. Nurseries	299		
Foley Mfg. Co.	331	Peters & Reed Co.	330		
Ford, M. C.	322	Pierce, F. O.	330		
Freeman, G. L. Co.	298	Piereson, F. R. Co.	313		
Froment, H. E.	322	Piereson, A. N.	299		
Galvin, Thos. F.	319	Piereson U-Bar Co.	332		
Gloeckner, Carl R.	317	Poehlmann Bros.	320		
Greater N. Y. Florists' Asso.	322	Pratt, B. G.	329		
Grev, T. J. Co.	317	Pulverized Manure Co.	329		
Gude Bros. Co.	318	Raedlein Basket Co.	320		
Guttman, Alex. J.	322	Reed & Keller	322		
Hail Association	331	Reinberg, Peter	320		
Hammond, Benj.	329	Rice Bros.	320		
Hart, Geo. B.	322	Rice, M. & Co.	298		
Heacock, Jos. Co.	312	Rickards Bros.	317		
Heinl, Geo. A.	318	Robinson & Co.	320		
Herbert	299	Rock, Wm. L.	318		
Hews, A. H. & Co.	320	Roehrs, Julius Co.	298-299		
Hillinger Bros.	330	Roland, Thos.	299		
Hill, The E. G. Co.	300	Roiker, A. & Sons	320		
Hitchings & Co.	332	Rosens	320		
Hoerber Bros.	320	Sander & Son	298		
Home Corresp. School	328	Schlegel & Fottler Co.	317		
Horan, E. C.	322	Schultz, Jacob	318		
Hunt, E. H.	329-330	Senti, John	299		
Jager, Chas. J. Co.	329	Sharp, Partridge Co.	331		
Kasting, W. F. Co.	322	Sheridan, W. F.	322		
Keaney, Tobac Co. Product Co.	330	Siggers & Siggers	330		
Kerwin Co.	322	Skidelsky & Irwin	317		
King Cons. Co.	331	Smith, E. D. & Co.	295		
Krick, W. C.	322	Smith, P. J.	322		
Kroschell Bros. Co.	331	Smith, W. & T.	300		
Kuebler, W. H.	322	Smyth, Wm. J.	318		
Lager & Hurrell	298	Standard Plate Glass Co.	331		
		Stearns, A. T.	331		
		Lumber Co.	331		
		Stampp & Walter Co.	329		
		Syracuse Pottery Co.	330		

GREENHOUSES BUILDING OR CONTEMPLATED.

Oakland, Cal.—G. C. Farley, fernery. Fairmount, Ill.—W. L. Leeka, addition.

Davenport, Iowa.—Harry Bills, one house.

Mt. Vernon, N. Y.—S. F. Clark, one house.

Sugar Loaf, Pa.—George B. Markal, one house.

Newburgh, N. Y.—Yuess Gardens Co., addition.

Edgeworth, Mass.—James J. McCormack, addition.

Columbus, Ohio.—15th avenue, Floral Co., two houses.

Missoula, Mont.—Charles Dallman, range of houses.

Sioux City, Iowa.—Park department, house, 24 x 43 feet.

Mt. Pleasant, Iowa.—D. S. Smouse & Sons, house 28x80.

Stockbridge, Mass.—Miss Ellen King, conservatory 17x40 feet.

Syracuse, N. Y.—P. R. Quinlan, two rose houses, each 40 x 300.

Marion, Ind.—Misses Addie Dere and Mary Pierson, addition.

Springfield, Ohio.—Ledle Floral Co., three houses, to cover an area of 67x180 feet.

New Haven, Conn.—John Seipold, two houses, one 21x128 and one 15x128. King Construction Co. material.

Rutland, Vt.—Baker Seed House, house 40x100 feet, to replace two houses, giving an additional space of 28x40 feet.

Poehlmann Bros., Chicago, are adding 450 feet to the length of thirteen of their old houses, thus making them 700 feet long each, instead of 250.

NEWS NOTES.

Sterling, Ill.—An 85-foot smoke-stack is to be erected for the greenhouses of R. R. Davis Company. The concrete work has been finished on the two greenhouses and they are now awaiting the arrival of lumber.

Downer's Grove, Ill.—Fifteen greenhouses here have been purchased by Paul Reith, formerly with Newhall, Aurora, Ill. These houses will be completely remodeled and he will make a specialty of potted plants.

New Bedford, Mass.—About sixty members of the New Bedford Horticultural Society and their friends attended the annual camp clam bake of the society at Fort Phoenix. Andrew E. Hathaway, the youngest member of the society, during the evening entertained a party of friends from New York, Minneapolis and South Carolina.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-ford Place, Boston.

HELP WANTED

WANTED—First-class man to take charge of private place in eastern Massachusetts. \$100 a month. Address, D. F., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED, FARM MAN-AGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address, "Seeds," care HORTICULTURE, Boston, Mass.

SITUATION WANTED

Gardener or estate foreman, by young married man. Efficient in all branches of horticulture. First class references. Address, M. S., care HORTICULTURE.

SITUATION WANTED as assistant, by man experienced in all branches of gardening. Private place preferred. Home desired with head gardener. Address, A. R., 22 Adams Ave., Everett, Mass.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserius good stock. 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD,
Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

GREENHOUSE, 14,000 square feet of glass. Steam heat, stock of chrysanthemums, violets, pinks, geraniums, etc. New eleven room house; town water and cars pass. Sixteen acres of land, 14 miles from Boston. Price \$6500, easy terms. R. E., care of Horticulture Publishing Company.

THE TOAD'S USEFUL APPETITE.

Professor Washburn of the Minnesota division of entomology at University Farm finds toads to be friends of the farmer. They feed entirely upon an incredible number of insects. The Federal Department of Agriculture, investigating the toad, discovers the startling fact that in twenty-four hours the insect-food consumed by one toad equals in quantity four times the capacity of its stomach, which is practically filled and emptied four times every twenty-four hours. One hundred and fifty-nine stomachs examined by the department showed a content of 19 per cent. of ants; 16 per cent. of cut worms; 10 per cent. of thousand legged worms; 9 per cent. of caterpillars; 8 per cent. of ground beetles; 5 per cent. of destructive weevils; 3 per cent. of grasshoppers, together with crickets, spiders, sow bugs, potato bugs, and a miscellaneous lot of other insects.—*American Cultivator.*



KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. 8 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St., New York.



**NICOTICIDE
BUG KILLER**

**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to
P. R. Paethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment, the gallus makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Sold By The Seed Dealers of America



TRADE MARK
Registered in U. S. Patent Office

Oh when you want the business done,
By play that's strong and steady,
Just take a look at old Slug Shot,
For that's the stuff that's ready.

A LIVING TRUTH THE WORLD ROUND
IN FIGHTING INSECTS ON VEGETATION always bear in mind that you have to destroy a Living Animal Organism preying upon a Growing Vegetable Organism. You want to destroy the one and spare the other, and it is with this end in view that for full 30 years

"HAMMOND'S SLUG SHOT"
and our other preparations have so successfully and constantly been used. Akin in destructiveness to Insects comes the Blight, or Rot of the vegetable tissue itself; a plant disease, separate and distinct from insect or "Bug" ravages, but more subtle. Good growth aids greatly in resisting plant diseases, yet in many cases without extraneous help the best of plants, shrubs and trees, are scorched by blights as by fire, and in this direction, for more than a quarter of a century, we have prepared

Safe and Popular Remedies for General Use

Benjamin Hammond
Fishkill-on-Hudson, N.Y.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of
E. H. HUNT, 76-78 Wabash Avenue, Chicago



Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago 40

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

If you want your greenhouse benches to last;

If you want to lessen repair expenses;

If you want an up-to-date plant;

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We will tell you just how to do it. We will furnish you the molds: Write for full particulars and we will tell you all about it. No expensive labor to hire—you do the work.

E. H. HUNT, 76 Wabash Ave., CHICAGO, ILL.

**FOR "POT LUCK" TRY
HEWS STANDARD POTS**

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

INCORPORATED.

Newton, Mass.—Boston Gardening Co., capital stock \$50,000; incorporators Fitz-Henry Smith Jr., Donald M. Hill.

Hurricane, Utah.—Utah-Dixie Nursery Co., capital stock \$25,000. Officers, Frank Barber, president; Joseph W. Webb, vice-president; Joseph T. Wilkinson and Irah H. Brodshaw, directors.

PATENTS GRANTED.

966,670. Orchard Heater. William H. Edwards, and Melville C. Boals, Palisades, Col.

966,928. Pipe Coupling. Adolph Lang, Philadelphia, Pa.

966,936. Flower Support. James E. Matthewson, Sheboygan, Wis.

Cortland, N. Y.—The greenhouses formerly owned and conducted by F. M. & N. M. Pratt have been purchased by the W. G. Hathaway Co. and have been moved to a new location on Floral avenue.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2 in. pots in crate	\$4.88		144 6 in. pots in crate	\$3.80	
1500 2 1/4 " " "	5.25		120 7 " " "	4.20	
1500 2 1/2 " " "	6.00		60 8 " " "	3.00	
1000 3 " " "	5.00		HAND MADE		
800 3 1/2 " " "	5.80		48 9 in. pots in crate	\$3.60	
500 4 " " "	4.50		48 10 " " "	4.80	
450 4 1/2 " " "	5.24		24 11 " " "	3.60	
320 5 " " "	4.51		24 12 " " "	4.80	
210 5 1/2 " " "	3.78		12 14 " " "	4.80	
			6 16 " " "	4.80	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

**All The Clay
for our
Florists' Red Pots**

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

In ordering goods please add "I saw
it in HORTICULTURE."

Advance

Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

**The Advance Co.
RICHMOND, IND.**



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**Holds Glass
Firmly**

See the Point at
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DEER,
716 Chestnut St., Phila., Pa.

FULL SIZE
No. 2

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
406 Erie St., CHICAGO, ILL.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.
Telephone. Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

Don't Wait Until the Last Minute

Before writing for our estimates and plans on the greenhouse work you have in mind.

WRITE NOW

At the close of the season everyone wants his work at
once. That means haste and rush in the erection of
the house or range and rushed work is rarely sat-
isfactory. What will you need in our

GULF RED CYPRESS CONSTRUCTION MATERIAL

Foley Steel Trusses, Ventilating Machinery, Pipe,
Glass, Paint, Putty, Hot Bed Sash, Etc.?

—PECKY CYPRESS FOR BENCH MATERIAL—

THE FOLEY MANUFACTURING CO., Western Avenue, near 26th St., **CHICAGO**

ABOUT

GREENHOUSE CONSTRUCTION

Let us solve your problem for you. We have a repu-
tation for doing things in the most scientific way,
and have a wide experience. These are the things
that count. "Ask the man" that has a KING
GREENHOUSE. Get our Bulletins—eventually you
will be a King Customer. Why not now?

King Construction Co.

North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St., BOSTON, MASS. 61-63 Portland St.

Do Not Place Your Orders Before Writing Us For Our Price.

GLASS

Sharp, Partridge & Co.,

22nd and Lumber Streets,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.

1392-1414 Metropolitan Ave., Brooklyn N. Y.

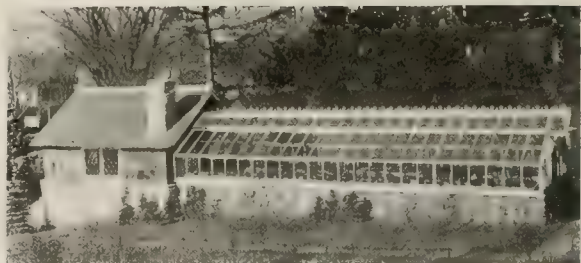


A Novel Combination

Just another example of the splendid houses our Iron Frame Construction makes. It is really a group of three palm houses — rather an unusual instance. We erected it a few years ago for the Friends Asylum at Frankford, Pa., which is just outside of Philadelphia. Send for our illustrated circular.

Hitchings & Company

1170 BROADWAY - - NEW YORK



Plan 61

On page 16 of the Advance Pages to our New Catalog this subject is thoroughly described. On the opposite page are interior views of this house and two other eleven "footers." For a general utility house the eleven "footer" is a mighty good one. The one shown belongs to Mr. A. E. Hammer, Branford, Conn. Send for the Advance Pages and know all about it.

Lord & Burnham Co.

Irvington, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

SEPTEMBER 3, 1910

No. 10



CATTLEYA MENDELLI STUART LOW

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR

U KNOW US!**LET'S KNOW U!****10 $\frac{1}{2}$ Cents****Heavy Waterproof Crepe Paper****Full Length Rolls, 10 Ft. In All the LEADING SHADES.**

Moss Green, White, Pink, Nile Green, Lavender, Violet, Red, Beauty, Blue and Yellow.

Order Now and protect your future wants at this **Very Low Price, \$105 per 1000 Rolls.**Remember this is the **HEAVY WATER-PROOF CREPE PAPER****The Leading Florists' Supply House and
Ribbon Specialists****M. RICE & COMPANY****Importers—Manufacturers—Originators****1220 Race Street,****PHILADELPHIA, PA.***Our New Illustrated Katalog for the Asking***Stuart Low & Co., Bush Hill Park** Middlesex,
near London **England****ORCHIDS FOR WINTER AND SPRING FLOWERING**

Brasso-Cattleyas and Brasso-Laelias, Hybrid-Cattleyas and Laelio-Cattleyas, Dendrobium by the 1000; Cattleya Lablata and Mennellii by the 1000; Cypripedium a Most Up-to-date Collection. Odontoglossum by the 1000; Odontiodas, most charming hybrids; Oncidium Varicosum by the 1000; Oncidium Marshallianum.

*Full Catalogue on Application***JULIUS ROEHRS CO.****RUTHERFORD, N. J.**

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties**ORCHIDS***Largest Importers, Exporters, Growers
and Hybridists in the World***SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY****ORCHIDS**

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

Madison, N. J.,**ORDONEZ BROS.****Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.****ORCHIDS**

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

*Write for special list and catalogue.***LAGER & HURRELL, SUMMIT
N. J.****ORCHIDS****Just Arrived in Fine Condition**

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

**CARRILLO & BALDWIN,
Mamaroneck, New York,****ORCHIDS**Cattleyas, Dendrobiums, Laelias,
and Odontoglossums**G. L. FREEMAN CO.
Fall River Mass.****JOSEPH HEACOCK, Wyncote, Pa.**

GROWER OF FINE

KENTIAS

Send for Price List.

GERANIUMS

We are headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagating.

We are now shipping fine stocky plants from 3 in. pots in a good assortment of Standard kinds at \$3.00 per 100; \$25.00 per 1000

Cannas and Dahlias. Send for list.

Alyssum and Swainsona, white, 3 in. \$3.00 per 100.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

2½ in. pots \$15.00 per 100
3½ " 30.00 "
5 " 50.00 "

CYCLAMENS

3½ in. pots \$20.00 per 100
5 " 50.00 "

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE

3-inch pots per 100. per 1,000.
4 " \$20.00 \$160.00
" 30.00 250.00

GARDENIAS

3-inch pots, \$15.00 per 100.
4 " 25.00 "
5 in. pots, \$5.00 per doz., \$35.00 per 100
6 " \$6.00 and \$9.00 per doz.

BOSTON FERNS

.35, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Rosindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strains, 2½ in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincey St., — **CHICAGO, ILL.**

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

LILIUM FORMOSUM 7-9 Inches

Just arrived from Japan. 220 and 300 per case,
\$60.00 per 1000.

Also for Later Arrival:

L. Multiflorum, 7-9, 8-10 and 9-10

L. Giganteum, 7-9, 8-10 and 9-10

McHUTCHISON & CO., 17 Murray St., NEW YORK

CHRYSANTHEMUMS

and ASTER SEEDS

ELMER D. SMITH & CO., — — Adrian, Mich.

5000 Queen Carnation Plants

Fine plants from selected stock.

\$50.00 per 1000. Cash with order.

W. C. Stickel, Lexington, Mass.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SONS
Whitman, Mass.

Chrysanthemums

Fine stock from 2½ and 2¼ in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, \$4.00 per 100; \$35.00 per 1000.

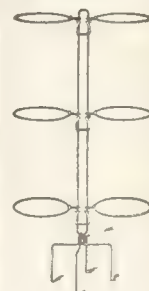
Autumn Glory, Ada Spaulding, Cullingfordii, Dorothy Devens, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, J. H. Troy, Maud Dean, Money-maker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. E. McArthur, Mme. Bergeman, Polly Rose, Riverside, The Harriott, Timothy Eaton, W. H. Lincoln, Wm. Duckham, fine stock, \$3.00 per 100; \$25.00 per 1000.

Wood Brothers

FISHKILL, N. Y.

MÜLLER'S DOUBLE IMPROVED

CARNATION SUPPORT



Is the only Support on the market that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks For Itself.

O. A. MÜLLER,
Ambler, Pa.

Patented Feb. 8, 1910

STUART LOW & CO.

BUSH HILL PARK
MIDDLESEX, Near LONDON
ENGLAND

VINES IN POTS.

FRUIT TREES IN POTS.

CLIMBING ROSES, 10 to 14 feet long, in Pots.

FRUIT TREES, for Garden and Orchard Planting.

Get Our List and Prices**BOBBINK & ATKINS**

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENSFOR AUGUST AND
SEPTEMBER PLANTING

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$60.00
3-4 feet.....	6.00	50.00
	Each	Per Doz.
Golden, 18-24 in....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
	Per Doz.	Per 100
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
	Each	Per Doz.
" Pungens Glauca Koster		
True Blue, 2-2½ ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00

Roots dug with ball and burlapped
10c. extra.

CALIFORNIA PRIVET.

October Delivery,

	Per 100	Per 1000
2 years cut back and nicely branched.		
3-4 feet.....	\$5.00	\$40.00
2-3 feet.....	4.00	35.00
Berberis Thunbergii,		
18-24 in., very bushy	12.00	100.00
18-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

Evergreens

For September Planting. Douglas, Norway, White and Koster Blue Spruce, Hemlock, Kalmia latifolia, etc.

T. C. Thurlow's Sons, Inc.

WEST NEWBURY, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Westchester Hgts.
P. O. No. 1, Hoboken, N. J.

Notes From the Arnold Arboretum

Among the recent introductions from China the Maples play an important part. From his last expedition Mr. Wilson sent to the Arboretum forty different lots of Maple seeds of which thirty-five germinated, representing fourteen species. Two of these fourteen species were entirely new and not yet named; they therefore are not mentioned in the following notes. Including his earlier expedition for Veitch Mr. Wilson sent home sixteen species of Maples of which only two had been previously introduced, all the others were new to cultivation. Except a few they seem to be hardy or fairly hardy here and all have handsome foliage.

The most distinct and graceful are the Maples with trifoliate leaves and among them *Acer Henryi* is perhaps the handsomest, particularly on account of its fruits which are bright red while young and disposed in pendulous racemes five to seven inches long; it forms a tree from ten to thirty-five feet high with slender-stalked leaves consisting of three elliptic or ovate entire or sometimes dentate leaflets two to three inches long. Smaller foliage has *Acer griseum*, a tree from ten to forty-five feet high, with reddish brown flaky bark similar to that of the Red Birch; the ovate and coarsely toothed leaflets are less than two inches long and grayish white beneath; the fruits are borne in small short-stalked clusters. *Acer sutchuense*, a tree from twenty to thirty-five feet high, has oblong, pointed leaflets and crenately serrate leaflets whitish beneath and from two to four inches long; the fruits are borne in short-stalked clusters. As a closely allied new species, though not introduced by Wilson, *Acer mandshuricum* may be mentioned here; the leaves are borne on slender red stalks and the leaflets are narrower and there are only one to three fruits in a cluster; it is a graceful small tree.

The Maples with undivided or almost undivided leaves are another group not common in cultivation. One of the handsomest is *Acer Davidii*, a tree from thirty to fifty feet high, with oblong-ovate and pointed, crenately serrate and glabrous leaves from three to seven inches long which turn orange yellow or scarlet in autumn; the fruits are borne in drooping racemes. A closely allied species is *Acer laxiflorum*, a tree from fifteen to thirty-five feet high, with ovate or oblong-ovate, long-pointed leaves sharply and doubly serrate and usually furnished on each side with a very short lobe; the fruits are borne in loose drooping racemes about four inches long and are purple while young. A very graceful Maple is *Acer tetramerum*, a tree reaching forty feet in height, or sometimes a shrub of ten feet, with ovate or oblong-ovate, long-pointed and light green leaves sharply toothed or slightly lobed and from two to four inches long; the fruits are borne in drooping racemes. A handsome form with distinctly lobed, nearly glabrous and rather small leaves is *A. tetramerum* var. *lobulatum*. *Acer oblongum* erroneously distributed as *A. discolor*, a little known species not yet in cultivation, is a tree from twenty to forty feet high with oblong pointed leaves whitish or sometimes nearly green on

their under side, from three to five inches long, three-nerved at the base and quite entire at the margin; the fruits are disposed in large nodding clusters. The half-evergreen *Acer leavigatum*, a tree attaining to forty-five feet in height, is probably tender; the leathery oblong and pointed leaves are strongly veined, entire at the margin, green on both sides and from three to five inches long; the fruits are borne in rather small and loose, drooping clusters.

The group with palmately lobed leaves is the largest and here belong the following species. *Acer Maximowiczii* (*A. urophyllum*) is a tree from twenty to thirty feet high with graceful foliage; the five-lobed or sometimes only three-lobed leaves are about three inches long with sharply serrate lobes, the middle one much longer and elongated into a slender serrate point, they are bronze-colored when unfolding, afterwards bright green and nearly glabrous; the fruits appear in pendulous slender racemes. *Acer robustum* is a flat-topped tree from twenty to thirty feet high with seven to nine-lobed leaves from four to five inches in diameter; it is very similar to the Japanese *A. palmatum*, but the foliage and the fruits are larger. *Acer caudatum* var. *multiseratum*, a tree from thirty to fifty feet high, has five to seven-lobed leaves, from three to five inches in diameter; the foliage and the fruits are similar to those of the native *A. spicatum*, but the leaves are larger, nearly glabrous and have more than three lobes. *Acer Franchetii* is a small tree from fifteen to twenty-five feet high or sometimes shrubby, the leaves are four to six inches long and have three to four short lobes; the fruits have very thick nutlets and are borne in nodding racemes three to five inches long. In its foliage it resembles somewhat the Sycamore Maple, but the leaves have very often only three lobes which are short and pointing forward. *Acer sinense*, a tree from ten to thirty feet high, has five-lobed leaves of bluish green color from five to seven inches in diameter with short and broad lobes crenately serrate or nearly entire; the fruits are borne in pendulous panicles six to seven inches long. *Acer longipes*, a flat-topped tree from twenty-five to thirty feet high, has three-lobed or sometimes five-lobed leaves from four to five inches in diameter with long, slender-pointed and entire lobes; the fruits are borne in ample and loose clusters. *Acer laetum*, a tree from twenty to thirty feet high, has been introduced from China in a form but little different from the variety *rubrum* occasionally cultivated usually under the name *A. colchicum rubrum*; the foliage of the Chinese form is usually five-lobed and rather small; but there is also a form with only three-lobed leaves, about three inches long, distinguished as *A. laetum* var. *tricaudatum*. The two new, still undescribed species also belong to the group of palmately lobed Maples and are allied to *A. laetum*.

Alfred Rehder.

Cattleya Mendelli Stuart Low

It has been our privilege to present portraits of many beautiful gems of the orchid world from time to time. None have been more lovely and striking than the one depicted on our cover page this week, *Cattleya Mendelli* Stuart Low, exhibited by Stuart Low and Co. of Enfield at the recent Holland House Show, where it won premier honors.

Seasonable Notes on Culture of Florists' Stock

AMARYLLIS

Hippeastrum vittatum can easily be forced into flower by Christmas and would be a very attractive plant for the holidays. A greater number of these bulbs will throw from two to three spikes, which will bear from four to six fine flowers. *Hippeastrum vittatum* by this time has completed its season's growth and can be given a rest of five or six weeks, the regular watering being discontinued so as to keep them quite dry, but not enough so as to cause a shriveling of the roots. If you start now and give them this needful rest, by the middle of October the bulbs will have attained a ripeness that should give a fine stand of flowers for the holidays. When the season of rest is at an end—which is generally marked by the appearance of a new growth—they can be repotted in any fairly rich sandy soil. Give them a steady temperature of about 60 degrees.

SOWING CYCLAMENS

Cyclamens can be sown from now until December. By sowing the seed now you will have plants for early winter flowering and the later date will do for March. It takes from 12 to 15 months until they reach their blooming period. Sow the seed in shallow pans or boxes, using a compost of good loam and well decayed leaf mould in equal parts, with a dash of sand. Good drainage in the bottom of the pans or flats is essential for their well being. Keep shaded and moist and they will germinate in from four to six weeks. When they make their appearance give them plenty of light, and keep as near the glass as possible and with a uniform state of moisture at the roots. When the bulbs are about the size of a small pea they can be transferred into other pans or flats, using loam, sand and leaf mould, and in about seven to eight weeks they will be ready for 2 or 2½-inch pots. Exercise care in watering and syringing.

CUTTINGS OF VINCA

This is a good time to put in a stock of *Vinca* cuttings. When taking the cuttings use the long growth that is spread out along the ground. The growth that is very tender and soft should not be used. Let there be two eyes to every cutting. If kept shaded and the sand moist they should be rooted in about four to six weeks. These will make a very useful size in 3 or 4-inch pots by the following May for vases, baskets and veranda boxes. Plants that were planted out in the field in May should be lifted now and potted in 4 or 5-inch pots and, if kept a-growing, will make fine specimens by next spring. A fine place for these plants is on the front of a bench in a sunny house, placing them near edge so the growth can hang over the side. *Vinca* major and its varieties are the most useful for the commercial florist.

DRACAENA INDIVISA

The stock in the field of *Dracaena indivisa* should be lifted now. Use just a little care and pot them up according to their size from a 3-inch to a 5-inch. They can be placed in a cool house or, if you have not room just now, a deep cold frame will make a good place for them for the next four or five weeks. Keep them well-sprayed and they will soon become re-established in their pots. Give them a temperature of 50 degrees at night

during the winter and keep them well syringed. Seed can be sown now and will germinate quite freely. The seed should be sown in light sandy soil and kept in a temperature of 60 to 65 degrees. When large enough they can be put in 2 or 2½-inch pots and grown during first season under glass, and the second season they can be planted out in the field. These plants when lifted in the fall will make fine plants for 5 or 6-inch pots.

LORRAINE BEGONIA

Begonia Gloire de Lorraine at this season is making its fastest growth and should get every care that is necessary for its well being. Those that have not been shifted as yet into their final pots should be done without delay. A good compost is good turfy loam three parts, sand two parts, and well-rotted cow manure for one part. The best kind of pots to use is azalea pots in 5, 6 or 7-inch according to the size of your plants. Give them attention as to watering, airing, and they will continue to grow rapidly. They should have a tying now. This can be done by placing one stake in the center, and looping with raffia each shoot loosely and repeat as often as the plants may require it. Be sure and give the plants plenty of room between themselves so as to make symmetrical specimens.

LILIUM CANDIDUM

This lily should be potted as soon as the bulbs are procured, which is about this time, in order to have the best success with it. Bulbs that are kept as late as the end of September make both roots and leaves, and while they will still make fairly satisfactory flowering plants they cannot equal the earlier potted ones. When received they should be immediately potted up. Any good fibry loam enriched to about one-fifth of its bulk with some well-rotted manure will grow them. The best place for these bulbs is a cool airy frame until the foliage becomes green and firm. Leave them out until they get a good freezing. Many failures in the culture of this lily are due to the growers persisting in treating it as they would *Harrisii*, which is entirely wrong. It forces better after January 15 and if good results are expected it should not be attempted before that date. The temperature should run at night to about 50 to 55 degrees.

PANDANUS VEITCHII

This is one of the very best variegated plants for decorative purposes. In general it is not difficult to grow and when managed under favorable condition it will make a fine plant for commercial uses. During the winter they require a high temperature of from 65 to 70 degrees with little or no shade. Plants that are very much pot-bound should have a shift now. A good compost is, say, two-thirds of light turfy loam, and well-rotted manure, to which some sharp sand has been added. See that they have good drainage in the pots so that the water will pass away freely. Avoid during the winter months overhead syringing for if coupled with a drop in temperature it is very liable to produce an attack of spot. The suckers that are freely produced can be easily rooted at any time. A good method in rooting these plants is to put each piece into a pot—say 2½ or 3-inch. Place a little soil in the bottom and fill the remainder up with sand, and plunge in a warm propagating bench. After they are rooted they will stay in these pots many weeks without injury at this season.

STEVIA

This is a very useful flowering plant for the florist around holidays. It should be lifted and potted now before there is any danger from frost, using 6, 7 or 8-inch pots. After potting give a good soak-

ing of water and shade for a few days or until they take hold of the soil. Don't attempt to bring these plants into the house as yet, because the longer you can keep them out the better the flower spikes will be, and—which is of more consequence still—it will retard them so that they will be in their prime at the holidays, but always have them in a position where they can be protected in case of frost. Although delighting in a low temperature, stevia is very easily hurt by a light frost. They can be put in by the middle of October in the lightest and coolest house available.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Adiantums*; *Gardenias*; *Ivy* *Geraniums*; *Plants for Christmas*; *Phalaenopsis*; *Primulas*.

British Horticulture

IN A PALACE GARDEN

At a cost of a few pence one can be transported from London's stuffy congestion to a scene of unparalleled splendor beneath Wolsey's historic palace at Hampton Court. There is no fairer picture "framed in the prodigality of Nature" than that which unfolds itself in the 44 acres of gardens which give such boundless delight to thousands of visitors in the summer months. At this period of the year, opulent Americans "doing" Europe in a seven days' hustle, "personally conducted" foreign tourists with the tell-tale Baedeker jostle against holiday-making denizens of the slums in a tour of the well kept parterres, the marvellous maze, and the world-famed giant vine. This month the long range of floral border in front of the palace to the Thames end is a blaze of color with a wealth of summer blooms in thick clusters. All the leading varieties which find favor with the British garden lover are seen at their best. On the broad expanse of turf on the opposite side there is a wide variation of garden bedding, offering to the inquiring amateur a striking object lesson in the landscape gardeners' art, which no hand-books can so effectually afford.

SOME PLEASING COMBINATIONS

In several instances a climbing rose clustering around a pillar forms a centre-piece for an effective arrangement of *Koenigia maritima*, *Leucophyton Brownii*, interspersed with the rose-tinted begonia, *Major Hope*. Of course, pelargoniums are seen to advantage. A bright effect is produced with the scarlet *Paul Crampel* variety, intermingled with *Veronica Andersoni*, the front edging being formed of the neat pelargonium, *Golden Superb*. A pleasing blending of blooms is seen in a bed composed of the graceful *Lilium giganteum*, the rich pink *verbena Miss Willmott*, with an edging of *Mollis variegata*. Of a more brilliant aspect is the setting of the bright *salvia, Glory of Zurich*, surrounded with *Leucophyton Brownii*, and *Mollis variegata*. Close at hand is another bed fringed with *Fuchsia Golden Treasure*, set out with *Calceolaria Burbidgei*, ivy pelargoniums, and the golden *Coreopsis grandiflora*. A useful combination is formed of begonias, *Count Zeppelin* (gardeners are usually up-to-date in their nomencla-

ture), *Fuchsia gracilis variegata*, dotted with the handsome *Kochia scoparia*, framed with *abutilons*. *Fuchsias* *Mdme. Corneilson* make a good show with the dwarfier kind, *Ballet Girl*, garnished with a row of *Glyceria aquatica variegata*. The "Queen of flowers" is of course largely in evidence. One bed is composed of *Richmond*, which has proved very suitable for bedding purposes, contrasting with duller hued pansies. Another interesting array includes an edging of *Saxifraga muscoides*, with a group of *Leucophyton Brownii*, *Bouvardia corymbiflora*, *Begonia Soliel d'Or*, and *Celosia pyramidalis aurea*.

THE PROPOSED INTERNATIONAL HORTICULTURAL EXHIBITION

An influential and representative committee has been appointed to make the arrangements for the international horticultural exhibition which is to be held in London in the spring of 1912. Mr. J. Gurney Fowler is the chairman, Sir Jeremiah Colman, Bart., the hon. treasurer, and Mr. Edward White, the hon. secretary. Although not directly responsible for the arrangements the Royal Horticultural Society is giving the scheme its hearty support. The Society has contributed £1,000 towards the fund which is being raised, and it has also agreed to forego the usual Temple show in the exhibition year. It is anticipated that a very favorable site will be secured near the Metropolis. The Schedule Committee has already had a number of sittings, with the result that the preliminary edition of the prize list will soon be ready for distribution. This first edition, it is announced, will not contain the prize money for each class; the desire of the committee will be to notify to exhibitors in Britain, the colonies, and foreign countries the principal details of the comprehensive list of classes arranged. The total amount offered in awards will considerably exceed the sum allotted at the International exhibition in 1866, when the sum of £1,600 was expended on prizes. Arrangements are now in progress for appointing territorial committees. The whole scheme is being taken up with an enthusiasm which should ensure for it the greatest success. It is anticipated that all previous shows of a similar character will be surpassed by the international of 1912.

ITEMS OF INTEREST

Messrs. Carter & Co., seedsmen, owing to the extension of their business, are removing from their headquarters in central London to more commodious premises, with trial grounds adjoining, at Raynes Park, a few miles outside the Metropolis.—At the prize distribution of a provincial flower show, Speaker Lowther, of the House of Commons, condemned one of the British tendencies to aim after abnormal size in garden produce, at the expense of quality and flavor. Commenting on this statement, Mr. S. T. Wright, the superintendent of the Royal Horticultural Society's gardens, said: "Mr. Speaker Lowther is quite right, and I am delighted that he has called attention to what is a great mistake among gardeners. It is time some plain words were spoken on the subject, as the rage for size is driving many of our best products out of cultivation."—A trial shipment of "Elberta" peaches has lately been made from Canada to Bristol. The fruit arrived in excellent condition.—The annual show at Shrewsbury, the premier provincial exhibition, took place on Aug. 17 and 18, and was a gratifying success.

W. H. Gelssett

HORTICULTURE

VOL. XII

SEPTEMBER 3, 1910

NO. 10

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

 Telephone, Oxford 292
WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Cattleya Mendelli Stuart Low.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	337
CATTELEYA MENDELLI STUART LOW.....	337
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Amaryllis—Sowing Cyclamen—Cuttings of Vincas—Dracaena indivisa—Lorraine Begonia—Lilium candidum—Pandanus Veitchii—Stevia—John J. M. Farrell.....	338
BRITISH HORTICULTURE—W. H. Adsett.....	339
SOME MASSACHUSETTS GROWERS.....	341
SWEET PEA FLORENCE NIGHTINGALE—Illustrated	341
CLUBS AND SOCIETIES: Connecticut Horticultural Society—Detroit Florist Club—Gardeners' and Florists' Club of Baltimore—American Carnation Society.....	342
DURING RECESS: Elberon Horticultural Society.....	342
Snap Shots at the Convention—Illustrated.....	343
THE GLADIOLUS AT ROCHESTER—L. Merton Gage	343
FLORISTS' TELEGRAPH DELIVERY—Wm. C. Gloeckner	344
SEED TRADE: The Onion Crop—Peas—Corn—Beans—An Active Season Coming—Notes	348
Dutch Bulb Notes, F. M.	348
OF INTEREST TO RETAIL FLORISTS: Steamer Departures—Beauty a Drawback—New Flower Stores	350
Flowers by Telegraph	351
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago.....	353
Detroit, New York, Philadelphia.....	355
OBITUARY: William Benjamin Whittier, portrait—Everett C. Lufkin	360
MISCELLANEOUS: Conservation	341
News Notes	346-355-362
Gladioli in London—F. M.	348
Chicago Notes	351
Personal	355
Newport Notes	355
Philadelphia Notes—Chas. E. Meehan, portrait....	361
Incorporated	361
Greenhouses Building or Contemplated.....	362

organization into desired publicity. It was largely through its efforts that the unprecedentedly fine display of its favorite flower was made at Rochester and there is plenty of evidence that the Gladiolus Society proposes to be a real live force in American horticulture. The spirit manifested in its meetings showed very clearly the cordial feelings of its members toward the S. A. F. and we hope to see the latter take prompt steps to provide a means whereby practical affiliation with this body of intelligent specialists may be brought about now while the spirit moves.

Evolution

on new lines

If the plans of the prime-movers in the new organization known as the Florists' Telegraph Delivery should be successfully carried out, the roster of the Society of American Florists will certainly show a great change and, from being a very slim minority numerically in membership as heretofore, the retail store florist will loom up as a factor of no small importance and influence. Membership in the S. A. F. as a pre-requisite to membership in the Florists' Hail Association would have been a tremendous bulwark for the former, if incorporated in the Constitution of the latter at the time of its birth. The retailers' affair is so novel in its most vital features that the outcome can hardly be predicted and its progress will be followed with much interest by all who wish to keep well informed as to tendencies and outlook in the florist trade and in the career of the National Society. Our readers are urged to read carefully through the contribution on this subject by Mr. Gloeckner of Albany, N. Y., which we present in this issue.

The modern aster

The interesting article on Rochester's flower—the aster—which appeared in our Convention Number seems to have attracted considerable attention. We understand there is a disposition in some quarters to question the exactness of some of the statements as there given concerning the history of the remarkable development of this flower in recent years. Thus far, however, no one has seemed willing to come out into the open with his views in print. Our columns are at the service of anybody having anything to advance on this topic. All will admit that a great stride has been made, and that the development is still going on needs no better proof than is furnished by the flowers displayed at the present time on the tables and in the windows of the florists' stores. In one class the dash and picturesque beauty of the Japanese chrysanthemum are well simulated, in another the prim and regular finish of the show dahlia is almost rivalled, there are fixed types of incurved and reflexed and ragged petalage which become more pronounced each year, and new and more intense tones of color are constantly appearing. What the aster of a decade hence will be is a question which furnishes a good field for the imagination but its position as a florists' flower, apart from its place as a garden ornament, is already close to the top of the ladder and it is still climbing.

A wide-awake youngster

The American Gladiolus Society has set a shining example for the special societies already in existence or to be organized in the future, in the enthusiasm shown and the methods employed to bring the

SOME MASSACHUSETTS GROWERS.

One of the more pretentious of the new greenhouses about Boston is that of James Wheeler at Natick, and it promises well. Mr. Wheeler has 32 acres of ideal ground, for carnation growing especially, and the new greenhouse, 60 x 300 ft., is finely located, and well protected from winds by tree growth and lay of land. Heating apparatus is now being put in. The carnations, 17,500 in number, were planted during first week in August, in low beds and at the time we called a lawn sprinkler was busily engaged in the job of watering—a performance essentially labor-saving at the present time, but of doubtful utility later on. The house has a capacity for 24,000 plants and the unoccupied space is devoted for this year to violets and sweet peas, the great scarcity of good carnation plants in this section being an obstacle not easy to overcome. Mr. Wheeler has a spacious bungalow, nearly completed, to be used as a residence, built entirely of the boulders from his land.

Boston has still another Wheeler—the orchid growing firm, Wheeler & Co., at Waban. John Mutch is the grower in charge. Extensive repairs and new heating apparatus are being put in. The only flowers being cut at present are *Cattleya Harrisoniae* and the demand for these is far in excess of the supply, but the labiatas are coming on rapidly and in their season the cut will exceed 2000 a week.

Not far from this place is John Barr's carnation emporium. Winsor, Pink Delight, Harry Fenn, Beacon and Queen are the leading varieties planted by this clever and successful grower. It will be remembered that the popular Queen was raised and sent out from here, and Mr. Barr has a house planted exclusively with this and some later seedlings which he regards as giving promise of future usefulness. The demand for carnation plants has been unprecedentedly active this season, the call for Pink Delight which is regarded as the best thing out, being far beyond the ability to satisfy. Mr. Barr speaks highly of Dorner's latest introduction, *Gloriosa*.

A short distance away is the rose-growing establishment of Robert Montgomery, Natick. 12,000 Killarneys and Richmonds show the work of the master hand in luxuriant growth which will turn in the shekels next winter as usual.

One of the largest carnation growers for the Boston trade is James Tulis at South Sudbury. The range comprises five houses, with a capacity of 50,000 plants. White Perfection, Beacon and Enchantress will continue to be the mainstay of this establishment. At the present time White Perfection of excellent quality are being cut and carnations are mighty good property to have just now. The effects of the abnormally dry season are evident in the size of the plants here as elsewhere. We must say a word in ap-

SWEET PEA FLORENCE NIGHTINGALE.



A cablegram received in England this week from Mr. W. Atlee Burpee, of Philadelphia, who is at present in California, informs his friends in this country that his fine new lavender-colored Sweet Pea will be named in honor of Florence Nightingale.—From the *Gardeners' Chronicle*, August 20, 1910.

preciation of the taste displayed by Mr. Tulis in the surroundings of his place, which is all aglow with borders and parterres of cannas and geraniums. Such attention to outward appearance is a rare trait among commercial growers. The location is on high land and the outlook over valleys and hills is charming.

H. H. Rogers, who is in the same neighborhood has a planting capacity of 24,000. Planting has just been completed. A new house has been put up, 42 x 150.

Coolidge Bros., also in South Sudbury, were only getting ready to plant at the time of our visit. This establishment is of considerable size, devoted entirely to carnations, and is being run by Mr. Johnson in the interest of the mortgagee.

This is the finest lavender sweet pea to date and we have pleasure in giving a picture of same herewith. Mr. Burpee could not have a better inspiration than the name of Florence Nightingale at this time. The flower is worthy of the fame of the flower of womankind.

CONSERVATION.

Frederick W. Kelsey, of New York City, who has recently returned from an extended trip to the Canadian Rockies, Alaska, Pacific Coast and the Yellowstone Park, says that the ravages of the forest fires throughout the northwest are of alarming extent. "From my personal observation," said Mr. Kelsey, "in more than 8,000 miles of travel from Montreal to Vancouver, through Puget Sound, the Columbia River, and other sources of our national timber supply, I am impressed with the imminent danger of a lumber famine before many years in this country, even should a recurrence of the present forest fires be prevented." Mr. Kelsey has been appointed by Governor Fort, one of the delegates to represent New Jersey at the National Conservation Congress, St. Paul, Minn., next week.

CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

On August 26th business meetings were resumed. As President John F. Huss is now returning from a two-months' visit to his old home in Switzerland, Ex-Vice-President John Gerard occupied the chair. Vases of handsome flowers were exhibited: Dahlias, by James P. Ralph, of New Britain; asters, by James M. Adams, of Hartford; and gladioli, by L. H. Robertson, of Hartford. The judges were Messrs J. A. Weber, Francis Roulrier and W. H. Shumway. These voluntary displays of seasonal flowers, vegetables and fruits, are a special feature of our fortnightly meetings.

Our premium list for the two forthcoming exhibitions, was received from the printer, at this meeting, and was pronounced the best one that the society has ever published. Some of the first pages are embellished with half-tone pictures of President Huss, Treasurer W. W. Hunt and Secretary George W. Smith; and the cover design is a lovely pen and ink sketch of dahlias and chrysanthemums, by Miss Artina Marguerite Adams, the 17-year-old daughter of James M. Adams of Hartford, chairman of our executive committee. Many new advertisements appear in its pages; and copies will gladly be sent to the trade anywhere, on request. Besides the many customary prizes for dahlias, chrysanthemums and other flowers, and vegetables and fruits, special prizes are offered by Henry A. Dreer of Philadelphia, Stumpp & Walter Company and Arthur T. Boddington of New York, Luther Tucker & Son of Albany, and the Plant & Land Food Company of Baltimore. The dahlia exhibition will take place at Unity Hall, Hartford, on September 22 and 23; and the chrysanthemum exhibition at Putnam Phalanx Hall, a more commodious one, Hartford, on November 3 and 4.

Our society enters upon the fall work with much enthusiasm. It now has 150 members, reaching every county in the state but one, and having members in several other states. One of our members, J. A. Weber, will have charge of the immense horticultural display at the coming Connecticut Fair at Charter Oak Park, Hartford, September 5th to 10th, opening on Labor Day, a state holiday.

GEORGE W. SMITH,
Secretary.

Melrose, Conn.,
August 30, 1910.

DETROIT FLORIST CLUB.

The last meeting of the Florist Club may justly be called a banner night and Mr. Knope who put up a tent decorated it very artistically and provided a sumptuous lunch besides, and certainly deserved much credit and appreciation by all. In the absence of President Plumb, who had just returned from a trip to Europe, the first president and chief maker of the Club, Phil. Breitmeyer, installed the new officers as follows: President, George Brown; vice-president, Herman Knape; secretary, Hugo Schroeter; treasurer, Robt. Rahaley. Committees:—

Auditing, J. F. Sullivan, Alb. Ponche-lon, Alb. Sylvester; essays, M. Bloy, Wm. Dilger, J. F. Sullivan, Fr. Dan-zer; entertainment, J. Stock, L. Char-vat, Rob. Rahaley, Rob. Klagge; ex-hibition, M. Bloy, Ed. Beard, Thos. Brown, Alb. Stahelin.

Mr. G. Brown spoke very entertain-ingly and wisely admonished the mem-bers of the need of individual work to accomplish the great aims of the Club. Mayor Breitmeyer, who had just re-turned from an auto trip through the New England states, was filled with enthusiasm over the great accomplish-ments in horticulture, especially all through Massachusetts. The meeting being on the lawn in front of the old house where all the Breitmeyers were born, he became rather reminiscent and recalling the days when washing radishes and spinach were his and the whole family's chief occupation. With the pioneership in horticulture which he holds today, we can see therein not only the great opportunities this world holds for the individual, but it also shows how the proper grasping of such opportunities by one or the other will bring happiness and prosperity to many others.

Elmer D. Smith, of Adrian, contrib-uted a bunch of beautiful white chrys-anthemums. When the occasion came around he was pelted with all kinds of questions and we found out that the new variety was a seedling of the Golden Glow type, but much superior in quality and habit. The flower is much fuller and more graceful and from March cutting buds may be taken about the 6th of June and blooms be had about July 25th. The plant is not subject to spotting like Golden Glow and buds can be taken from it much more readily and with much bet-ter results.

FRANK DANZER.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

At the regular semi-monthly meeting last Monday night, Secretary N. F. Flitton announced that the S. A. F. & O. H. had voted to hold their 1911 convention in Baltimore. The informa-tion was heartily applauded. The club decided to hold a family outing picnic at Bay Shore Park, Sept. 2. The mem-bers who visited Rochester were liber-al with their praise of that city, pleas-antly surprised with its large stores, and the thrift and enterprise they saw everywhere. The suburban horticult-ural attractions was another great revelation. They told in the meeting of the magnificent shrubs and trees. Mr. Flitton declared that the trees in Seneca Park, Rochester, were the most vigorous healthy trees he had ever seen in a public park. Richard Vin-cent, Jr., was invited to give an illus-trated talk on his European trip and Geo. O. Brown promised the use of some fine negatives of villas around Baltimore, to make slides to be used in connection with Mr. Vincent's talk.

At the exhibition of the Wisconsin Horticultural Society in Oconomowoc, John Dupre was winner of a majority of the prizes in vegetables and fruit. Wm. Toole & Sons of Baraboo were also winners.

AMERICAN CARNATION SOCIETY.

The board of directors held a meet-ing as is customary at the time of the S. A. F. & O. H. convention. There were present five of the directors and a number of lay members. The premi-um list for the show which is to be held in conjunction with the National Flower Show was gone over carefully and approved as presented by the Sec-retary. Any additions, or alterations which might be found necessary be-fore going to print, to be left in the hands of the officers.

The Secretary was instructed to con-vey the thanks of the board to the National Flower Show committee for the generous appropriation of \$750 for carnation premiums. It was voted that the Society add to this amount as much as may be necessary to cover the premiums offered in the list as adopted. The Secretary reported dona-tions of a number of cups and cash prizes by members and friends of the Society.

By general consent the arrangement of the sessions of the 1911 convention was left in the hands of the Secretary, the general feeling being that on ac-count of the great attraction of the National Flower Show, the meetings be made as brief as possible, to give the members opportunity to view the show at leisure. The Secretary sub-mitted a sketch of a button for the members.

F. R. Pierson, chairman of the Na-tional Flower Show Committee, was present and asked the A. C. S. to take entire charge of the carnation de-partment of the National Flower Show, all rules and customs governing the A. C. S. shows to govern in this in-stance.

A. F. J. BAUR, Sec.

DURING RECESS.

Elberon Horticultural Society.

The annual outing-clambake of the Elberon Horticultural Society took place on Wednesday, August 24, in the Porau-Peck Grove, Long Branch, N. J. As the weather was fine the mem-bers with their families and friends turned out in full and everybody en-joyed a good day's fun. Much excite-ment attended the games which was played in the afternoon, as follows: Baseball game—won by single men, 3 to 1. Tug of war—won by married men. 100 yard handicap race for men—Ch. Rudloff. 50 yard handicap race for ladies—Mrs. Ch. Rudloff. Broad jump for men—McGregor, 6 feet, 2 inches. Broad jump for ladies—Mrs. D. Kelley. Running broad jump for men—McGregor. Running broad jump for ladies—Mrs. D. Kelley. Sack race for men—John Kennedy. Three-leg-ged race for men—McGregor-McDonald. The most exciting race was the sack race by the ladies; six entered and the most wonderful stunts was on exhibition. Mrs. Ch. Rudloff won out.

About five o'clock all was seated at the tables—80 in all—and enjoyed a well prepared bake till the moon was shining through the tree tops, when all started for "sweet home."

A. FLEMING.

SNAPSHOTS AT THE CONVENTION.



President Pierson seeks advice of the "Father of the Charter."



Mr. and Mrs. Brown, Richmond, Va., and Mr. and Mrs. Donaldson, Elmhurst, N. Y., on the beach at Manitou.



Vice-President Mrs. Roehrs of Ladies' S. A. F., in rear seat, W. R. Smith, John Donaldson, J. Miesem, and others with H. Siebrecht as chauffeur.



Vice-President Mrs. Roehrs of Ladies' S. A. F., in rear seat, W. R. Smith, John Donaldson, J. Miesem, and others with H. Siebrecht as chauffeur.

THE GLADIOLUS AT ROCHESTER.

The gladiolus exhibition at Rochester last week was well worth the trip to me although the severe hot weather, with hardly any rain for several weeks in some sections of the country showed its effect in many of the exhibits. This was particularly noticeable in the exhibits of John Lewis Childs, Floral Park, N. Y.; E. E. Stewart, Rives Junction, Mich.; H. W. Koerner, Milwaukee, Wis. and A. E. Kunderd, Goshen, Ind. The blooms in some instances were not more than one half their usual size. But those growers who were blessed with sufficient rain, showed some fine specimens.

The exhibits of H. A. Dreer, Philadelphia, Arthur Cowee, Berlin, N. Y., Mrs. Emma Kennell, Chili, N. Y., showed that they had been favored by the weather man.

The specimens of Shakespeare and Mrs. Beecher shown by Mrs. Kennell were the finest flowers I have ever

seen of these varieties and some specimens of Contrast by James Vick's Sons, Rochester, were splendid. Frank Banning, Kinsman, Ohio, had a large exhibit of his beautiful new yellow variety "Niagara" and a large vase of a new white seedling of White Lady raised by Thomann Brothers, Rochester, attracted much attention. Henry A. Dreer showed some fine vases of Eucharis Charlemagne and Henry Le-moine and Vaughans seed store had some splendid spikes of Princeps. The display of B. Hammond Tracy, Wenham, Mass., was a model of artistic possibilities showing that gladiolus can be used in a decorative way with superb effect. The variety Dawn was very dainty and used with creditable taste in the table decoration.

Among the prize winning varieties and especially good novelties were E. E. Stewart's Golden Queen, and No. 98; Arthur Cowee's Lavendula, Evolution Perfectus, and No. 395; a fine

white sort; John Lewis Childs' Rosy Pearl—the latter is one of the most beautiful gladioli I have yet seen, "Little Blush" was very fine.

Wm. Pfitzer of Stuttgart, Germany, exhibited two large photographs of his new pure white gladiolus Europa, which he will offer in the fall of 1911. This reminds me that there are now about to be disseminated at least five new absolutely pure white varieties of gladioli and it looks as though the days of good old Augusta were numbered. On Wednesday morning E. E. Stewart, Mathew Crawford and the writer visited the gladiolus fields of Mrs. Emma Kennell at Chili, where we saw some magnificent gladioli and Mr. Crawford remarked that it was the healthiest looking growing stock he had ever seen. We were splendidly entertained and after a nice lunch by our genial hostess we returned to Rochester greatly pleased with the trip.

L. MERTON GAGE.

THE FLORISTS' TELEGRAPH DELIVERY.

Editor "HORTICULTURE,"

Dear Sir:—

If the convention at Rochester did nothing but complete the organization of the "Florists' Telegraph Delivery," in my humble opinion the time was well spent and I am sorry we did not have more of the retail store men there to add to our charter list.

I am enclosing a copy of our by-laws and just wish to call your attention to a few of the fundamental principles of the new organization. The first is the object of the Association. You will notice that the Association has the power to take any money that has been deposited by a debtor and send it to another florist who has an account against him.

Under the present way of doing business, if I receive an order from an out-of-town florist whom I do not know, I take my chances toward getting the money, providing the one sending the order has no commercial standing. The new way will obviate all this because the Association will pay the bill, providing the debtor is a member of the organization and I cannot for the life of me see why we cannot get 50 per cent of the florists in this country and Canada to join, if the proposition is explained to them in the right way.

The trustee fund is the best idea I ever saw to accomplish the right result, and Mr. Valentine is to be congratulated upon the originality of the idea.

The annual dues, as you will notice, are 10 per cent of the amount a florist places in the trustee fund; for example, if one florist in Albany would join at the present time his dues would be 10 per cent of \$30 or \$3, while if three would join each one of their dues would be \$1 per year. The idea is to make the large centers of population stand the brunt of the expense as the florists in these cities get the most benefit in the proposition. Of all the out-of-town orders I have had in the past year nine-tenths of them were for New York City. Of course, it will be no more in proportion in the large cities because there are so many more florists there. Where we could get four or five to join in Albany we ought to be able to get fifty or sixty in New York City. If we got fifty in New York, it would cost them about \$14 each at the rate suggested, \$700. Why, one New York florist at the convention said he would give \$1,000 cash to be the exclusive member from that city. His proposition was, of course, not listened to because the idea is to get every good florist we can and not have any exclusive stores in any city.

Another very vital point in these by-laws is the clause that a florist may be dropped from the organization at any time by the directors without any cause being given as to why he was dropped. This is a good point. A lot of complaints might come against a florist saying that he was not giving the orders sent him proper attention; the florists who made the complaints, however, would not, for obvious reasons, like to have their names mentioned. The florist complained of could be dropped from the rolls without any reason being assigned and any money

to his credit in the trustee fund would be returned to him.

Another point that I wish to call attention to is the fact that the directors can vote on a question by mail without the formality of holding a meeting. This is explained in the by-laws very explicitly.

Mr. J. A. Valentine of Denver, Colo., is the sponsor for the new organization, and I must say that the florists all over the country owe him a vote of thanks. Yours very truly,

WM. C. GLOECKNER.

Albany, N. Y.

Extract from the By-Laws of the new organization:

OBJECTS.

The exchanging of orders between Retail Florists in different cities and the adoption of such rules and regulations as will insure such orders being properly filled and the enforcement of prompt payment of all bills due from one member to another; also the payment by this Association of delinquent bills due from one of its members to another of its members, for goods delivered to a retail customer.

In order to carry out these objects, this Association shall have power to apply to the payment of delinquent bills any money deposited with this Association by the delinquent debtor and to punish any member by suspension or expulsion for reasons stated or not stated, provided such action is in accordance with the Constitution and By-Laws of this Association as hereinafter set out, or as hereafter amended or added to.

MEMBERSHIP.

Membership in this Association shall be confined to florists who are proprietors of retail flower stores and who are members of the Society of American Florists and Ornamental Horticulturists, and not delinquent in their dues to that Society.

TRUSTEE FUND AND MEMBERSHIP FEE.

Before any person eligible can become a member of this Association, he shall pay to the Secretary for deposit in the Trustee Fund, such a sum of money as shall be due that fund from any new member from the city where the applicant conducts his business. What sum is so due shall be determined in accordance with the rules of this Association which are in force when such payment is tendered.

In addition to the payment to the Trustee Fund, as above set out, the applicant shall pay to the Secretary a membership fee of five dollars.

ANNUAL DUES.

The annual dues from each member shall be a sum equal to one-tenth of the amount on deposit to his credit in the Trustee Fund, but in no case less than one dollar.

ANNUAL MEETING.

The annual meeting shall be held in the city where the Society of American Florists and Ornamental Horticulturists holds its annual convention, and it shall begin on the second day of said convention.

TRUSTEE FUND.

For each city or town from which one or more members are admitted, there shall be deposited with the Secretary a sum of money to form a part of what shall be known as the Trustee Fund.

The amount so to be paid in shall depend upon the population of the city or town as follows:

For the purpose of determining the population of any place, the Secretary shall use the reports of the United States Census for the year 1900, until otherwise directed by a vote of the members at any annual meeting.

The money deposited in the Trustee Fund shall not be deemed to be the property of this Association, but shall be held in trust for the original contributors in proportion to their respective contributions, subject however, to the following conditions:

The interest derived from such Fund shall be the property of this Association. Accounts adjudged to be due from any member to any other member may be paid by the Association and charged against his deposit. The money deposited in the Trustee Fund by any member shall be returned to him within six months after he ceases to be a member, whether he resigns or is expelled, except that any bills due

from him to any other member of the Association may be first paid and deducted from his deposit.

The interest from the Trustee Fund and all of the membership fees, shall until after the annual meeting, in the summer of 1912, be placed in a special fund to be known as the guarantee fund, and when bills are ordered paid to members under the guarantee of this Association, such payment shall be made from this guarantee fund and this fund shall be reimbursed by the transfer to it from the Trustee Fund of a like amount received into the Trustee Fund from the delinquent debtor up to the full amount so deposited by such member but not more.

The Arbitration Committee may, by a two-thirds vote, recommend to the Board of Directors the dismissal of any member and by an affirmative vote of not less than six Directors, such member shall be dismissed without any cause being assigned. When a member is so dismissed, his deposit to the Trustee Fund, his membership fee and one year's dues shall be returned to him in full, unless accounts have been filed against him, and ordered paid by the Arbitration Committee, in which case the amounts so ordered to be paid shall be deducted from the money to be returned to the dismissed member, as herein before provided.

Where prices are stated in orders, these prices shall be understood to be retail prices and shall be subject to a discount of twenty per cent., unless otherwise stated. Offering or allowing a larger discount than twenty per cent. shall be construed as evidence of exorbitant prices or of inferior service, and the offender may be punished by expulsion.

This shall not apply to accounts which are disputed and adjusted in accordance with the order of a Committee of this Association.

Bills for goods delivered shall be mailed within ten days and remittance shall be made within thirty days from date of delivery. When an account is not paid within thirty days it shall be the duty of the creditor to mail such delinquent bill to the Secretary of this Association.

The Secretary shall at once notify the delinquent debtor that such bill has been filed with him and shall keep a record of each account so filed with him. If the debtor disputes the account he shall at once remit to the Secretary the amount claimed as due, and ask to have the matter referred to the Arbitration Committee.

If there is only a portion of the amount in dispute, the uncontested portion shall be remitted to the claimant by the Secretary and the balance held to await the award of the Committee.

If any member fails to remit to the Secretary as provided above, within ten days after the mailing of such notice by the Secretary, the account presented shall be paid by the Association and deducted from the trustee deposit of the debtor.

The delinquent debtor shall be notified of the payment made and that his membership in the Association is forfeited.

After the expiration of six months from such notice, if there is still an unused balance in the trustee deposit of such delinquent debtor, such balance shall be returned to him. When any accounts are paid by the Association to any member as above, such member shall assign such account to this Association, or its nominee, with such form of assignment as shall be a guarantee of the correctness of the account, and when, in the judgment of the President, it is best to do so, he shall cause suit to be brought to recover such account for the benefit of this Association.

Any member whose membership has been so forfeited as above may appeal to the Board of Directors and if they reverse the action of the Arbitration Committee, such member shall be reinstated upon making good his trustee deposit and paying any dues that may have become due in the interim.

The Board of Directors may order the original creditor to refund to the original debtor any sum they find to have been paid on account of the erroneous award of the Arbitration Committee.

Suggestions as to payments due to the Trustee Fund:

Cities less than 25,000.....	\$5.00
Cities over 25,000 and less than 50,000	10.00
Cities over 50,000 and less than 100,000	20.00
Cities 100,000 to 150,000.....	30.00

and at the rate of 20 cents for each additional 1,000 population, eliminating fractional parts of \$5.00. This would bring New York up to about \$700.00.

VOLUME
1
NUMBER
8

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 20th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

In ordering goods please add "I saw it in HORTICULTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
1 BARCLAY ST. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES



WM. ELLIOTT & SONS

Will hold their first sale at

AUCTION

TUESDAY, SEPTEMBER 13th, AT NOON

Offering a choice consignment of Foliage Plants for indoor decorative purposes.

W. J. ELLIOTT, Auctioneer.

WM. ELLIOTT & SONS,

42 VESEY STREET, NEW YORK

Order Now from Our Surplus Stock

FREESIAS, 1-2 to 3-4 inch

SAMPLES UPON REQUEST

LILIUM FORMOSUM, all sizes

WRITE FOR PRICES

YOKOHAMA NURSERY CO., Ltd., ³¹Barclay St., New York

APHINE

Does destroy Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It has no equal as a general insecticide for the greenhouse pests which will soon make their appearance again.

If your supply house does not handle Aphine, write for name of nearest selling agent.

Aphine Manufacturing Company

MADISON, N. J.

HERBERT, ATCO, N. J.
DARLIAS Every Day in the Year.

NEWS NOTES.

Columbus, Ohio.—The River Side Garden, conducted by G. A. Ackerman, is now conducted under the name of the Riverside Floral Co.

Yonkers, N. Y.—Robert Cummings, for the last 35 years gardener to Wm. F. Cochran, has resigned and will remove to Greenwich, Conn., the first of September.

ROSE STOCK

2000 Richmond, } all own root
1000 Rhea Reid, } at 6c. each.
300 Ivory,

CARNATIONS

2000 each, } \$6.00 per
Mrs. J. C. Vaughan, } hundred,
Harlowarden } \$50.00 per
and Queen, } thousand.

CHARLES H. TOTTY
MADISON, N. J.

Two of My Specialties

FOR FALL DELIVERY

Pinus resinosa 100 1000
8-12 inch transplants, \$20.00 \$180.00

Berberis Thunbergii
15-18 ins., extremely bushy, 8.00 75.00
18-24 " " " 12.00 90.00
24-30 " " " 15.00 120.00

These plants are strong, healthy, shapely, well-rooted and in every respect first grade specimens.

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - - R. I.

BUY NOW!!

The plants here offered are all standard stock of best quality and health. We offer them at these prices now because we must reduce stock before housing time.

Per 100
Poinsettias, 2 in. \$5.00
3½ in. 10.00
Lorraine Begonias, 5 in. 40.00
" " 6½ in. 60.00
" " 2½ in. 8.00
Genistas, bushy, 5 in. 20.00
Asparagus plumosus, 3 in. 6.00
Hydrangeas, pot grown.... \$25.00 to 60.00
" field grown..... 15.00
Jerusalem Cherries, pot grown..... 25.00
" field grown..... 10.00
Mixed Ferns 4.00
Dracaena Terminalis, 3½ in. 25.00
Azalea Hinodegeri, 12 to 18-in. heads, 75c., \$1.00, \$1.50 each.
Specimen Metrosideros, \$2.00 each; will bring \$3.50 in winter.
Specimen Adiantums, 7-in., 8-in., 9-in. pots, 50c., 75c., \$1.00 each.
Cybotiums, \$1.50 each.
Araucarias, \$1.50, \$2.00, \$2.50 each.
Pot-grown Roses for forcing
Lady Gay, Hiawatha, Dorothy Perkins.
Tausendschon, large plants, \$1.50, \$2.00 each.
Phoenix, Bays, Kentias and other large stock for Hotel or Store Decorative Use, in any quantity. Write for Prices.

W. W. Edgar Co.
WAVERLEY, MASS.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

DREER'S PAEONIAS

We will dig our Paeonias in September, and are booking orders for September and October delivery at special prices. The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.....	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00	
Delachei. Amaranth red.....	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
Grandiflora rosea. Brilliant rosy carmine; large and double.....	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose.....	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; Ivory white.....	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white....	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.....	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officialis (Mutabilis) Alba. Blush white.	1.50	10.00
Officialis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officialis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list will be mailed to florists and nurserymen in September. If you receive no copy, write for it.

H. A. DREER, Inc., 714 Chestnut St. Philadelphia, Pa.

LILIUM HARRISII

Now Ready for Delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time in doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

- 6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.
- 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.
- 9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of NEPHROLEPIS, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2½-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

The Onion Crop.

Crops of various kinds are now maturing to the point where some definite knowledge can be had of the results. We are informed that the onion crop in the State of New York is going to be very light. We learn that the bulbs dried down prematurely and as a consequence, are under sized and of rather inferior quality. The Ohio crop is reported to be in much the same condition, though somewhat better, while the crop of Indiana will be almost, if not quite, up to the average in quality and yield. We are not prepared to vouch for the accuracy of these reports but give them as they come to us and will doubtless receive more definite information in the near future.

Onion sets, while a rather light crop this year, are said to be of very good quality and the impression among dealers seems to be that there will be enough to meet requirements. The seed trade are interested in onions and onion sets because of the bearing which these crops have on the future demand for seed. When prices for the bulbs and sets are reasonably high and the demand good, there is always a corresponding good demand for seed, whereas large crops, low prices and slow demand is always felt by the decreased consumption of seed.

Peas.

Several representatives of foreign seed houses are now on this side and all report very light crops of peas on their side, and as a rule, they have nothing to offer American seedsmen in this line. On the contrary, several of them arrived in this country with orders to buy peas, but they will find it no easy matter to secure leading varieties in quantities especially the large podded sorts. It certainly does look as if new high price levels will be reached this year, for nearly all varieties of peas. We learned of a recent sale of about 1200 bushels of Alaska peas to a canning concern at \$4.50 per bushel and this was not what may be called high-grade pedigree stock. We mentioned some weeks ago a sale of a 1000 bushels at \$5.25, but in this instance the peas were choice high-grade goods. These transactions, though small, are straws showing the course of the wind, and we may evidently look for materially higher prices during the next 60 or 90 days. We have not heard of any price being named on any of the large podded varieties such as Telephone, Duke of Albany, Gradus, Thomas Laxton or in fact any of this class of peas, and it is doubtful if any of the seed growers will be able to offer anything in this line this season, while the seedsmen will receive such short deliveries that practically all of them will be buyers, providing they can find anyone willing to quote them.

Corn.

Sweet corn of the late varieties has made great improvement during the

past few weeks, but the crop is late and there is much anxiety about frost. Very little late corn will be beyond danger of damage by frost before the first to the second week in October, and a killing frost any time during September would certainly prove disastrous to the crop. Early varieties stand a better chance of maturing, but the reduced acreage coupled with short yields will without question make early varieties scarce and higher in price than usual.

Beans.

Beans, as pointed out in these columns some weeks ago, give promise of a very excellent crop in New York State, but in Michigan the crop will be short even with the most favorable weather conditions up to harvest time. It is also well to bear in mind that a bean crop is never assured until it is actually in store, as a rainy period immediately following harvest would be likely to do great damage to the crop.

An Active Season Coming.

The leading seedsmen are returning from Europe and vacation trips generally and getting ready for the fall bulb trade, which promises to be very active this season. This department of the seed trade will doubtless occupy the attention of most of the seedsmen for the next 60 days and they will not be giving seeds as much attention as they will a little later. After the leading growers have submitted their preliminary estimates of what they expect to deliver of various crops, the dealers will doubtless become active in their efforts to cover shortages, and there will be many this year. The sooner that they can give this matter attention, the more certain they are of securing what they want, but even now they will find it exceedingly difficult to secure quotations on many lines.

Notes.

Dav. Adams, formerly at Thorburn's, has gone "on the road" for Buds of New York.

John Slimon, formerly with Thorburn, succeeds C. W. Scott as manager of Vaughan's Seed Store, New York.

DUTCH BULB NOTES.

Complaints are becoming very general in the country as to the condition of the bulbs, more particularly hyacinths and tulips, which have suffered from the excessive rainfall and the high water level, and the early ripening of the leaves caused by the abnormally high temperature of the month of May, so that the bulbs can in no case be of large size. At various places the leaves have suffered from blight. Hyacinths in middle of June were moderately good in northern Holland, about Noordwyk good, and at Sassenheim, very good. By the Haarlem meer narcissi are very fine, and in north Holland generally, good. The condition of these bulbs is very good in the districts Roelofarden and Noordwyk, and at Sassenheim, Voorschoten and in Westland, only rather good by comparison. All other bulbs are everywhere good and by Noordwyk even very good.

F. M.

CYCLAMEN SEED

MICHELL GIANT STRAIN

Grown for us in England by a leading specialist and cannot be excelled for size and brilliancy of coloring.

	100 Seeds	1000 Seeds
Duke of Connaught.		
Crimson	\$1.25	\$10.00
Excelsior, White with red eye	1.25	10.00
Grandiflora alba.		
Pure white	1.25	10.00
Princess of Wales.		
Deep pink	1.25	10.00
Salmon Queen. Salmon rose	1.25	10.00
Mixed. All colors..	1.00	9.00

REGULAR GIGANTEUM STRAIN

Giganteum Album.		
White	\$0.75	\$6.00
Giganteum Roseum.		
Pink .....	.75	6.00
Giganteum Rubrum.		
Red .....	.75	6.00
Giganteum White		
With Red Eye....	.75	6.00
Giganteum Mixed...	.60	5.00

Henry F. Michell & Co.,

1818 & 518 Market St.,

Philadelphia, Pa.

GLADIOLI IN LONDON.

At the meeting of the Royal Horticultural Society on August 16, Messrs. Barr & Sons were exhibitors of Gladiolus Nancieanus, Gandavensis and other strains; very beautiful being the varieties President Chandon, Valmy, La Fayette, of the former, and Klondyke and Marie Therese among the latter. The "Butterfly" varieties Mme. Desbordes Valmore, Mephistophele and Henri Sassaure are very pretty. Herr W. Pfitzer, of Stuttgart, showed Gladiolus gandavensis in massive, long spikes, of colors not common here. A silver flora medal was awarded. The variety Europa, a pure white flower of large size, received an award of merit.

The more striking flowers were those of Frau Herme Seidel, Ferdinand Lanlerer, Julius Neumann, Negerfurst, Mephisto Hohenstaufen, Sarah Vautier. The varieties Grafen Degenfeld, a creamy white, flamed scarlet, and Karl Lutz, a deep scarlet flower, were awarded certificates of merit.

Montbretias may soon become more generally grown and their beauty and adaptability was well shown by the display made by Sydney Morris. A few names of varieties may not be unacceptable to readers of this journal, viz., St. Botolph, King Edward, Geo. Davidson, Hereward, Lady Hamilton, Prometheus, Pageant, Lord Nelson and Westwick.

F. M.

C. C. MORSE & CO.
 WHOLESALE SEED GROWERS
 SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS **WHITE PEARL ONION SETS** **NOW READY**
 Largest Growers of Peas Beans and Garden Seed. Headquarters
 228-230 W. KINZIE STREET **CHICAGO**
 LOWEST PRICES ON APPLICATION

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be shown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Pink
 Giant White Giant Blood Red
 Giant Excelsior White with claret base
 Picturatum Pink with claret base Giant Salmon

Price per 1000 seeds \$10.00;
 100 seeds, \$1.00.

R. & J. FARQUHAR & CO.
 6 and 7 So. Market St., BOSTON, MASS.

FALL BULB CATALOGUE

If you have not received a copy send for it.

James Vick's Sons
 ROCHESTER, - N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment
 Price list free on request.

Joseph Breck & Sons Corp.
 47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

Forget-Me-Not, Victoria for pots,	Oz.	Tr	Pkt.
Mignonette, Zargen's Triumph,	\$2.50		\$0.35
Pansies Special Florists' Mix ure,	3.00		.50
Stocks, Princess Alice, pure white,	4.00		.50
Beauty of Nice, Carmine, Daybreak,	3.00		.50
Rosy Lilac, Snow White, each separate,	3.00		.50

O. V. ZANGEN, Seedsman - Hoboken, N. J.

ESTABLISHED 1820

Thorburn's Bulbs

LILIUM HARRISII

High Grade Stock
 5 to 7, 6 to 7, 7 to 9, 9 to 11
 At Popular Prices

Roman Hyacinths, Paper White Narcissus, Dutch Bulbs, Cyclamen Giganteum seed, new crop now ready.

Inquiries Solicited
J. M. THORBURN & CO.
 33 Barclay Street
 NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
 Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED
 Giant Varieties in Separate Colors
\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.
Schlegel & Fottler Co.
 26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds
 PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 20c. \$1.00
 10,000 and over, 85cts. per 1,000

CELERY—White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 20c. 1.00
 10,000 and over 85cts. per 1,000

CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
 Marsh, Md.

Horseshoe Brand Formosa Lilies

in all sizes ready for immediate shipment.



Not How Cheap
 But How Good

Write for prices

RALPH M. WARD & CO.
 12 West Broadway
 NEW YORK

FREESIAS

	100	1000
Selected,	\$.75	\$6.50
Mammoth,	1.25	9.00

WM. ELLIOTT & SONS,
 42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'kt. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

"BUDS"

76 Barclay Street, New York
 Important to Florists and Gardeners
 New crop of High Grade Flower Seeds just arrived, (especially selected quality).
CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING
 Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
 32 South Market Street, Boston, Mass.



SEASONABLE SEEDS FOR THE FLORIST

H. E. Fiske Seed Co.,
 Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.
 37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

Orders Given Prompt and Careful Attention



WASHINGTON,
D C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Nashville, Tenn.—Geney Bros. expect to move January 1 to 212 Fifth avenue N. Their new store is much larger and will better enable them to take care of their growing business.

Meriden, Conn.—The Blatchley Co., florists, at 36 West Main street, have begun the work of remodeling their store and greenhouses. The greenhouses will be entirely rebuilt and the store greatly improved.

Fargo, N. Dak.—Smedley & Co. is the name under which the Fargo Floral Co. will now do business. T. D. Smedley will be in charge. Considerable alteration has been made in the store, the capacity being enlarged about four times and a large ice box has been installed, as well as a motorcycle delivery.

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London..Sept. 3
Minneapolis. N. Y.-London..Sept. 10

Cunard.

Caronia, N. Y.-Liverpool....Sept. 3
Lusitania, N. Y.-Liverpool..Sept. 7
Pannonia, N. Y.-Mediterr'n..Sept. 8
Saxonia, Boston-Liverpool....Sept. 13

French.

La Provence, N. Y.-Havre...Sept. 8
Hamburg American.

K. Aug. Vic., N. Y.-Hamb'g..Sept. 3
Bluecher, N. Y.-Hamburg...Sept. 7
Cleveland, N. Y.-Hamburg...Sept. 10

Holland-America.

Noordam, N. Y.-Rotterdam..Sept. 6
Rotterdam, N. Y.-Rotterdam..Sept. 13
North German Lloyd.

K. Wilh'm H., N. Y.-Brem'n..Sept. 6
P. Fr. Wilh'm, N. Y.-Brem'n..Sept. 8
Koenig Albert, N. Y.-Med'n..Sept. 10
K. Wm der G., N. Y.-B'm'n..Sept. 13

Red Star.

Vaderland, N. Y.-Antwerp...Sept. 3
Lapland, N. Y.-Antwerp...Sept. 10

White Star.

Baltic, N. Y.-Liverpool....Sept. 3
Cymric, Boston-Liverpool....Sept. 6
Oceanic, N. Y.-Southampton..Sept. 7
Celtic, N. Y.-Liverpool.....Sept. 10

BEAUTY A DRAWBACK.

The newspapers have been giving considerable space to the experiences of Grimm & Gorley, florists of St. Louis, who, discouraged at the way their young lady cashiers had been getting married, had advertised for an "ugly" cashier who would not become a magnet for the unmarried young men of the neighborhood as soon as installed. Twenty-five applicants were the result and those that were not acceptable were told that they were too good-looking for the place. Incidentally Grimm & Gorley are getting some excellent advertising without cost to them.

NEW FLOWER STORES

Fivepoints, Ala.—Miss Lottie Black.
Findlay, Ohio.—Miss Lauretta Miller.

Independence, Kan.—Chris Schmidt,
8th avenue and Sycamore street.

Boston, Mass.—Samuel S. Pennock, of the S. S. Pennock-Meehan Co., called at the office of HORTICULTURE Aug. 31, on his way to Digby, N. S.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, LEADING FLORIST,
TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

LET US HELP YOU

Now that the Convention is over you will always find us "on our job" and we can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are creating a big sensation. Write us a line and we'll send you a list. At the same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILA., PA.

CHICAGO NOTES.

Items of Trade Interest.

O. J. Friedman expects to open his new store in connection with the Congress hotel about the 15th. Mr. Friedman regards the summer trade as up to the usual standard.

Some beautiful tables have been seen at the Blackstone, done with the gladiolus. Mr. Mangel succeeds in using this rather difficult flower in such a way that it appears quite graceful.

Oak branches are used to good advantage this week in several windows. As a setting for the bright summer flowers they are ideal. Mangel is using them with his colored lilies with excellent effects.

The place known as the D. Reid place at Downer's Grove, eighteen miles southwest of Chicago, has been purchased by P. Reith & Co. and the 50,000 sq. ft. of glass will be devoted to the growing of sweet peas mainly.

The severe electric storm which we reported last week did much damage to the aster crop. The flowers show the effect of the high wind and the pelting rain and the aster season will be necessarily shortened somewhat by the storm.

The Geo. Wittbold Co. has been doing some large pieces of landscape work. One is at Humboldt and Independent Court where the lot is 100 x 200 ft. The sides are bordered with shrubbery and the drive at the side of the house leads back to the garage

leaving room in the center for a pergola and fountain, and various small flower beds.

The Walter Kreitling store has been extensively overhauled and put in readiness for the coming season. Mrs. Kochman recently did a table for a past-nuptial dinner for 25 guests which was exceptionally fine. The round table consisted of a sunken center filled with pink and white Killarney roses just level with the outer rim of the table and in the center of which was a fountain, the spray reaching the chandeliers and colored lights under the spray gave a most beautiful effect.

Personal.

A. E. Hunt is still unable to attend to business on account of illness.

L. R. Bohannon is expected home today from a three weeks' outing with his family at Lake Cora, Mich.

Fred Strail of Strail & Hahn has returned from his outing at Twin Lake, Mich., and his family will follow soon.

O. Swan is away on his vacation and it is reported that he will not return but give his whole time to his wild fern business.

Mr. and Mrs. Frank Williams of the Atlas Floral Co. has returned from a two weeks' trip which included a stay at Mt. Clemens, Mich., where Mr. Williams was treated for rheumatism.

Mrs. W. H. Caldwell of Corpus Christi, Tex., is here to visit her daughter Miss Julia, who is studying in the Art Institute and is visiting the various florists in Chicago and vicinity.

Geo. V. Wienhoeber, manager of the Fleischman Co. is off on a two weeks vacation. During his absence the store will be decorated. This store reports a shortage of orchids during the summer season.

Joseph Klimmer of River Forest, one of Chicago's western suburbs, is very ill with a complication of diseases. Though he was a little better Sunday his condition is considered critical. Mr. Klimmer is one of the old time florists of Chicago and very well known and everybody in the trade wishes him a speedy recovery.

John Pugh, a former Chicago man is calling on his old friends. He left here a few years ago to take charge of a private place in the south which a cyclone demolished. Later he bought the wreckage from which he has now a greenhouse plant devoted largely to chrysanthemums. He is at Poucha-

toula, La., eighty miles north of New Orleans and says he finds ready sale for flowers.

Visitors: John Pugh, Pouchatoula, La.; W. P. Craig, Philadelphia, Pa.; Mrs. W. H. Caldwell, Corpus Christi, Tex.; Miss Annie Callinder, Vincennes, Ind.; Mrs. Walter Leeds, Terre Haute, Ind.; Robt. Newcomb, Brisbee, Arizona.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heintz.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England postage

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

ASTERS OF QUALITY

Best supply of big, long-stemmed Asters we ever had.
\$1.00 to \$2.00 per 100.

BEAUTIES

They are improving with each week. Choice stock.
\$1.00 to \$3.00 per dozen.

BRONZE GALAX

\$7.50 per case.

Our Galax are good all the year.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Look through the Buyers' Directory
and Ready Reference Guide. You
will find some good offers there also.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon
the market the best things in baskets and from their house in
Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection
of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 30		Aug. 30		Aug. 30		Sept. 1	
ROSES								
Am. Beauty, Fancy and Special..	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
" Extra	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00	10.00	to 15.00
" No. 1	10.00	to 20.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	3.00	to 10.00	4.00	to 10.00	4.00	to 6.00	1.00	to 3.00
Bride, 'Maid, Chateaux, F. & S. ..	5.00	to 6.00	4.00	to 7.00	4.00	to 5.00	2.00	to 4.00
" Lower grades	2.00	to 3.00	2.00	to 4.00	1.00	to 2.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp. ...	8.00	to 10.00	6.00	to 10.00	4.00	to 6.00	3.00	to 5.00
" Lower grades	3.00	to 4.00	4.00	to 6.00	1.00	to 3.00	.50	to 1.00
Kaiserin, Maryland, Fan. and Sp. ...	6.00	to 8.00	6.00	to 10.00	5.00	to 8.00	2.00	to 6.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	2.00	to 3.00	.50	to 1.00
CARNATIONS, Nov. and Fan.								
" Ordinary	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	.75	to 2.00
" .....	.50	to 1.00	1.00	to 2.00	1.00	to .....	.50	to .75
MISCELLANEOUS								
Cattleyas	40.00	to 50.00	30.00	to 60.00	.....	to 60.00	25.00	to 50.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.50	8.00	to 12.00	6.00	to 10.00
" Speciosum .....	.....	to .....	.....	to .....	.....	to	2.00	to 3.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 4.00
Asters	1.00	to 4.00	.....	to .....	.50	to 2.50	.50	to 1.50
Daisies .....	.50	to .75	1.00	to 1.25	.....	to .....	.25	to .50
Snappedragon .....	.....	to .....	.....	to .....	.....	to	1.00	to
Gladioli	2.00	to 6.00	2.00	to 5.00	1.50	to 4.00	.50	to 2.50
Sweet Peas .....	.....	to .....	.35	to .75	.40	to .50	.10	to .25
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	12.00	to 15.00	10.00	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	45.00	to 60.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. **Roses and Carnations Our Specialty**

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

FIELD-GROWN CARNATIONS

We offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:—

	Per 100	Per 1000
SANGAMO	\$12.00	\$100.00
WINONA	7.00	60.00
WINSOR	7.00	60.00
WANOKA	6.00	50.00
MAY DAY	8.00	75.00
ENCHANTRESS	7.00	60.00
WHITE PERFECTION	7.00	60.00
MRS. J. C. VAUGHAN	6.00	50.00
BAY STATE	6.00	50.00
O. P. BASSETT	7.00	60.00
DOROTHY GORDON	15.00	
PINK DELIGHT	15.00	
CARNEGIE	6.00	
SPLENDOR	7.00	60.00
APPLE BLOSSOM	7.00	60.00
LAWSON	6.00	50.00

Cut Flowers of All Kinds.

Ribbons and Supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF

1608-20 Ludlow Street
PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

Business has taken a rather unexpected turn since last report. In fact, the most abrupt interruption of the present season has been experienced during the past few days. The summer business has come to a very sudden end and the regular fall trade has not yet crystallized. The conditions as they now exist are a disappointment to the wholesale trade especially, but are not by any means abnormal and an exercise of reasonable patience will, no doubt, see things eventually righted. Asters are easily the prime favorites of the market. Beauty roses hold their own as leaders. Other roses are doing fairly well, Liberty, Kaiserin and Carnot holding a position of pre-eminence. The young roses, of whatever variety, are beginning to develop strength and stock generally is improving from day to day.

There was plenty of everything the past week, especially asters of ordinary quality and gladioli of mixed varieties and a good quantity carried along from day to day with prospects of an outlet, but trade on the quiet side. Very few carnations are seen; there is a good supply of roses, also lilies and other material. The demand for Beauties has been better and the medium and short grade having sold the best. The late branching asters are coming in more plentifully, and some excellent stock is seen, but rain is wanted badly. Some choice America, Augusta May and Canary

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 30	DETROIT Aug. 29	BUFFALO Aug. 30	PITTSBURG Aug. 30
ROSES				
Am. Beauty, Fan, and Sp.	20.00 to 30.00	20.00 to 25.00	20.00 to 25.00	15.00 to 20.00
" Extra	15.00 to 20.00	16.00 to 20.00	10.00 to 12.00	10.00 to 12.50
" No. 1	8.00 to 10.00	10.00 to 15.00	6.00 to 10.00	6.00 to 8.00
" Lower grades	4.00 to 8.00	3.00 to 8.00	3.00 to 4.00	..... to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00 to 6.00	6.00 to 8.00	4.00 to 7.00	6.00 to 8.00
" Low gr.	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan, & Sp.	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" Lower grades	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Maryland, Fan, and Sp.	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" Lower grades	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, Novelties and Fancy				
" Ordinary .....	..... to .....	..... to	1.00 to 1.50	..... to 2.00
" .....	..... to .....	.50 to 1.00	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to .....	..... to .....	..... to
Lilies, Longiflorum	6.00 to 10.00	..... to	8.00 to 10.00	6.00 to 8.00
" Speciosum .....	..... to	12.50 to 15.00	3.00 to 4.00	..... to
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	..... to	2.00 to 4.00
Asters .....	.20 to 3.00	1.00 to 4.00	.40 to 2.00	1.00 to 2.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to 1.00
Snapdragon	1.00 to 4.00	.50 to 1.00	..... to .....	..... to
Gladioli .....	.50 to 3.00	2.00 to 6.00	2.00 to 4.00	..... to
Sweet Peas .....	..... to .....	..... to .....	..... to .....	..... to
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum	1.00 to	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax	12.00 to 15.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100) ..	25.00 to 50.00	20.00 to 35.00	..... to	30.00 to 50.00
" " & Spreng. (100 bchs.) ..	15.00 to 25.00	20.00 to 35.00	..... to	30.00 to 50.00

gladioli are had and have sold well. Plenty of greens.

The almost entire absence of carnations marks the close of August. The young plants in the fields are greatly refreshed by the long-delayed rain and stock is generally expected to be good, though rather small. Gladioli have had a good chance to add to their reputation as summer flowers and certainly plenty of fine blooms are to be seen everywhere. A

little more knowledge of how best to use them would do much towards further increasing their popularity. There are now all the Beauties and other roses that the trade needs and the quality is very good. Asters are very satisfactory, all sizes and colors being seen in abundance. So far the aster growers have had no reason to complain, the crop turning out much better than at first anticipated. The usual early chrysanthemums are in and

(Reports continued on page 355)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
Tel. 1463

**Greater New York
Florists' Association,**
Inc.
Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 788 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
Ready to talk over prospective cut, market, etc.,
with growers of good materials.
Call or Write Now
55 & 57 W. 26th St., New York Tel. 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860 3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.
REED & KELLER
122 West 25th St., New York

Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS

Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.

J. K. Allen, 106 W. 28th St., New York Phone 3860-3816 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending August 27 1910		First Half of Week beginning Aug. 29 1910	
American Beauty, Fancy and Special.....	10.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Ald, Chatsenay, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.75	to 1.00	.75	to 1.00

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N. Y.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands—
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

Flower Market Reports

(Continued from page 353)

meeting their usual fate. Wild flowers and oak branches are meeting with ready sale for show windows. There is an abundance of lilies. The second of the florists' three dull months is now over and Chicago retailers in general regard the business as about equal to that done in other years, a very few claiming an increase. The wholesalers, however, quite generally declare business above the average and especially is this true where there is a good shipping trade.

The past week has had a tinge of real summer dullness, still it is safe to say that the month of August will average much higher than the same month in other years. Speaking from past experiences, this summer now almost passed will show a good gain on the right side of the ledger, and more so where good judgment in buying has been exercised. Daily arrivals in cut flowers clean up well, with the possible exception of low grade asters. Business activity usually returns with the beginning of the schools and considering the present supply it will be difficult to fill orders properly, especially in regard to quality.

Extreme quiet prevails throughout the wholesale market district and the greater part of the sales are at sacrifice figures simple to move the stuff. Asters are in the majority everywhere. In comparison with the asters the roses and other material fill only a very insignificant corner. Lilies continue to hold a position of prominence, with prices a shade firmer than they were. A few *Cattelya labiata* are seen. Gladioli are plentiful but not so noticeable as in some former seasons. The extremely dry season has injuriously affected these as well as many other staple summer flowers. As to carnations an occasional bunch of small specimens is met with. The asters are of all grades and types. Some are splendid, great noble blooms on stems long and stiff, and clothed with handsome foliage. These bring top prices, but much of the lower grade stock realizes very little. Some bunches of cosmos are seen occasionally. Pond lilies continue to be a favorite subject for window decoration.

There has been very little change in the cut flower market here since last report. The asters may have improved a little, and the Kaiserin and American Beauty roses may be on a rising plane, but the general run of the market is what may be called the usual August condition. Maryland roses are pretty good. Carnations remain an almost negligible quantity. There are rumors of some of the big ones having something decent to ship soon, but that is about all. Gladioli are still very good. Any amount of outside things like tritoma, cosmos, hydrangea, phlox, etc., and all go at very little prices—or to the cemetery!

A. J. Guttman, wholesale florist, New York City, announces that he is going out of the florist business and will devote his time to the paint trade.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 27 1910		First Half of Week beginning Aug. 29 1910	
Cattleyas.....	30.00	to 60.00	30.00	to 60.00
Lilies, Longiflorum.....	4.00	to 5.00	4.00	to 6.00
" Speciosum.....	1.00	to 2.00	1.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	2.00	to 3.00
Asters.....	.20	to 2.00	.30	to 3.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.35	to 1.50	.25	to 1.50
Sweet Peas (per 100 bchs).....	.75	to 1.50	.75	to 1.50
Gardenias.....	25.00	to 50.00	25.00	to 50.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spren. (100 bchs).....	10.00	to 15.00	10.00	to 10.00

NEWS NOTES.

The Kervan Company, New York's leading dealers in ferns, moss and green supplies for florists' use, are having a new establishment fitted up at 119 West 28 street, and will occupy same as soon as completed.

Wm. Elliott & Sons' big fall auction sale of decorative plants will take place on Tuesday, September 13. W. J. Elliott, who will wield the hammer, as usual, promises a record-breaker at this, the opening sale of what is expected to be a season of unusual activity.

William Ford's proposed return to the ranks of the wholesale flower trade in New York is an interesting topic in the 28th street district, and adds one more factor to the situation, which in the opinion of shrewd observers gives promise of lively times for the coming season. Mr. Ford is popular with the trade.

PERSONAL.

John Brandt, who for the past ten years has been gardener on the Mrs. T. O. Richardson estate at Aiken, S. C., will soon leave there as the estate has been sold, and he is expected to return to Newport, R. I., where he was formerly employed.

Arthur Smith, of Spokane, Wash., has been appointed landscape architect and general manager for the People's Gardens Association of Washington, D. C. This association is planning some excellent work in the way of beautifying the capitol city and in selecting Mr. Smith they have secured a gentleman well qualified for the position of adviser.

Visitors in Boston: Mr. and Mrs. A. Farenwald, Roslyn, Pa.; Harry Turner, Castle Gould; H. S. De Forest, New York City; Harry Wild and Mrs. Wild, Conyer's Manor, Conn.

NEWPORT (R. I.) NOTES.

The many social events recently held here by the 400 has kept the florists and gardeners very busy with table decorations. The flowers mostly used at present are hydrangeas, dahlias and *Lilium speciosum* in their different colors. Orchids are also used as far as they go but there are not nearly enough to supply the demand. Gardenias are also scarce and high, the regular price at present being 75 cents each.

The clambake given on three successive days last week to the ten thousand sailors of the Atlantic fleet, which was in this port, called for great quantities of flowers and helped to quicken the steps of the already busy florists. The flowers used for this occasion were mostly hydrangeas, asters and dahlias and were laid in small bunches six to eight feet apart all along the many tables which were one hundred feet long, and the effect was very pleasing. Gibson Bros. were in charge of the floral work and were ably assisted by Leikens, Hass, Jurgens and other florists. The flowers were all donated.

At the meeting of the Newport Horticultural Society, Tuesday evening, August 23, William Matson, gardener for Miss Alice Keteltas, exhibited a new aster which was so good that it was voted a certificate of merit. It is a last year's seedling, pure white in color.

The society received an offer from Mr. Farquhar, of Boston, for \$15 for prizes for the best exhibit of 25 blooms of peony dahlias, not less than five varieties in a vase. This is for the coming autumn show, which promises to be one of the best ever given.

The society voted to offer a silver medal for the coming exhibit of the New England Dahlia Show, which will be held in Boston, September 16-19. It is for open competition for dahlias.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.
Asparagus Sprengerii, \$15.00 per 1000;
10 cents for sample. Albert M. Herr, Lan-
caster, Pa.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1183
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1183 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway,
New York.
Horseshoe Brand
For page see List of Advertisers.
Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.
For page see List of Advertisers.
H. E. Fliske Seed Co., Boston, Mass.
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
S. S. Pennock-Meehan Co., Philadelphia,
Pa.
Field-Grown.
For page see List of Advertisers.

2000 field grown Carnations. We have
a surplus of a light pink seedling. Large,
stocky plants, very prolific; \$6.00 per 100.
Cash with order. Leonard Cousins, Jr.,
Concord Junction, Mass.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CARNATION SUPPORT

O. A. Muller, Ambler, Pa.
For page see List of Advertisers.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.
For page see List of Advertisers.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
Chrysanthemums, 2½ in., A-1 young
plants, Virg. Poehlmann, R. May, Nounin,
Polly Rose, Wm. Duckham, Dr. Enguehard,
Cullingfordi and many others, to close.
\$2.00 per 100. R. C. Stafford Floral
Co., Stafford Springs, Conn.
Herrington's book on the Chrysanthe-
mum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.
Herbert, Acto, N. J.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.
T. C. Thurlow's Sons, Inc., West Newbury,
Mass.
For page see List of Advertisers.

FANCY BASKETS

The Raedeln Basket Co., Chicago, Ill.
For page see List of Advertisers.

For List of Advertisers See Page 360

FERNS

- A. Lenth Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oeschlin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.
- Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

- McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayerndorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FREESIAS

- Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.

- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

- B. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
- B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.
- Geraniums for fall delivery. Standard
sorts, quality the best. Prices right. 2 in.
pots. Place your order now. O. C. Day,
Hudson, Mass.
- Geraniums, rooted cuttings of Riccard.
Poitvine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

- GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 28-30 Sudbury
St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
- Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

**GREENHOUSE BUILDING MATE-
RIAL**

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1350-63 Flushing Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.

- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

- King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.

- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSES FOR SALE

- H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip
attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
- King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

**HARDY FERNS, MOSS AND
GREENS**

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.
- Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.
- Hydrangea Oraksa, extra nice field-grown
plants for next seasons blooming, with
from 3 to 12 flowering crowns. Ready for
immediate delivery at 2c. for each crown.
Satisfaction guaranteed or money refunded.
F. Langenbach, Norwich, Conn.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-lne Products.
For page see List of Advertisers.
- Benjamin Hammond, Fishkill-on-Hudson,
N. Y.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

KENTIAS

- A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass., Dept. 8.
For page see List of Advertisers

LILIUM FORMOSUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

MUSHROOM SPAWN

- H. F. Michell Co., Philadelphia, Pa.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordones Bros., Madison, N. J., Box 146.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY PLANTS

- Pansy Plants, Giant Flowering, 50c. per
100; \$3.00 per 1000. John A. Burns, Frank-
ford Ave., Holmesburg, Phila., Pa.

PANSY SEED

- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., 55; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.
- Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink.....9.00 per 100
" " Red.....10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.
- Peonies—The best French collections,
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb

PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
B. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT BED CLOTH

- Plant Bed Cloth, three grades. Best
protection from sun and frost. Used for
Chrysanthemum houses, hot beds, cold
frames. Henry Derby, 123H Chambers
St., New York, N. Y.

PLANT STAKES

- Seale's Tieless Plant Stakes and Trol-
lees. H. D. Seale & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RHODODENDRONS

- John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- W. W. Edgar Co., Waverley, Mass.
For page see List of Advertisers.

The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

For List of Advertisers See Page 360

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

E. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Schlegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

H. E. Fliske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Harrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
For page see List of Advertisers.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1123
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 33-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 228 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellcott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., N. Y.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

W. E. McKissick & Bros., 1619-1621 Bas-
stead St., Philadelphia, Pa.

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**AUCTION SALE OF FOLIAGE
PLANTS.**

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CARNATION PLANTS.

W. C. Stickel, Lexington, Mass.
For page see List of Advertisers.

CYCLAMEN SEED.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

CARNATIONS.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

FRENCH AND DUTCH BULBS.

Joseph Breck & Sons, Corp., Boston, Mass.
For page see List of Advertisers.

FREESIAS, LILIAM FORMOSUM.

Yokomaha Nursery Co., Ltd.,
New York, N. Y.
For page see List of Advertisers.

**FLOWER CONSIGNMENTS
WANTED.**

J. K. Allen, New York, N. Y.
For page see List of Advertisers.

**ORCHIDS FOR WINTER AND
SPRING FLOWERING.**

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

PINES AND BERBERIS.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

**VINES, FRUIT TREES AND ROSES
IN POTS.**

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

WHOLESALE FLORIST.

R. S. Shinn, New York, N. Y.
For page see List of Advertisers.

WATER PROOF CREPE PAPER.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

In writing to Advertisers kindly mention Horticulture

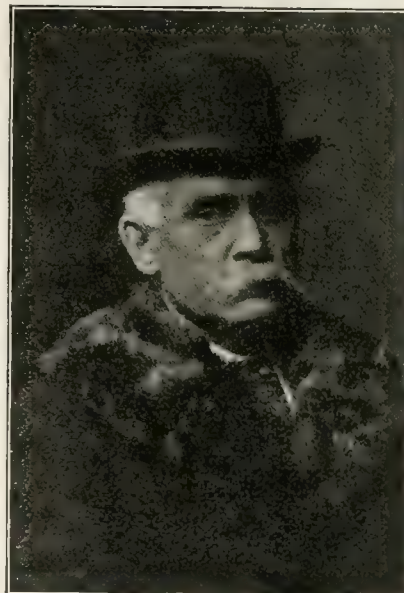
List of Advertisers

	Page		Page		Page		Page
Advance The Co.	363	Leonard Seed Co.	349	Thurlow's, T. C.		Waterer, John &	
Allen, J. K.	354	Leuthy, A. & Co.	335	Sons, Inc.	336	Sons	336
American Nur-		Lord & Burnham		Totty, Chas. H.	346	Welch Bros.	352
ery	336	Co.	364			Wilson	350
Aphine Mfg. Co.	346	Low, Stuart &		Valentine, J. A.	350	Wood Bros.	325
Aschmann, G.	346	Co.	334-336	Vicks, Jas. Sons.	349		
				Vincent, R., Jr.		Yokohama Nur-	
Barrows & Son.	335	MacMulkin, E.	350	& Sons	335-349	series	345-346
Bayersdorfer, H.		Matthews	350	Wadsworth, B.		Young & Nugent	350
& Co.	351	McCarthy, N. F.		E.	335		
Beaven, E. A.	353	& Co.	355	Wants, For Sale	360	Zangen, O. V.	349
Boblink & Atkins	336	McConnell, Alex.	350	Ward, R. M. &		Zinn, Julius A.	351
Boddington, A. T.	345	McCray Refrig-		Co.	349	Zvolanek, A. C.	349
Boston Florist		erator Co.	351				
Letter Co.	351	McCullough's, J.					
Boston Plate &		M. Sons Co.	352				
Window Glass		McHutchison &					
Co.	363	Co.	355				
Breck, J. & Sons	349	McKellar, C. W.	352				
Breitmeyer's, J.		McManus, Jas.	354				
Sons	350	Michell, H. F.					
Bridgeman's Seed		Co.	348				
Warehouse	349	Michigan Cut					
"Buds"	349	Flower Ex.	355				
Burpee, W. A. &		Millang, A.	354				
Co.	336	Millang, Chas.	354				
Buxton, Doane		Moninger, J. C.					
Co.	363	Co.	363				
		Moore, Hentz &					
Carrillo & Bald-		Nash	354				
wiu	334	Morse, C. C. &					
Chicago Carna-		Co.	349				
tion Co.	335	Muller, O. A.	335				
Clarke, Dan'l A.	346	Murray, Samuel	350				
Clarke's, D.		N. E. Nurseries	336				
Sons	350	Niessen, Leo	352				
Cowee, W. J.	352	Oechslin, Frank	335				
Craig, Robt.	345	Ordenez Bros.	334				
Crawback, G. W.	354	Onwerkerk, P.	336				
Crawford, H. F.	360						
		Palethrope, P. R.					
Dards	350	Co.	361				
Dingee & Conard		Palmer, W. J. &					
Co.	345	Son	350				
Dorner & Sons		Park Floral Co.	350				
Co.	335	Parshelsky Bros.	363				
Dreer, H. A.	347-362	Peacock Dahlia					
Dunlop, John H.	350	Farms	345				
Dysart, R. J.	354	Pennock-Meehan					
		Co.	353				
Edgar, W. W.	346	Perkins St. Nur-					
Co.		series	335				
Edwards, Folding		Peters & Reed					
Box Co.	352	Co.	362				
Ellwanger &		Pierce, F. O.	363				
Barry	345	Pierston, F. R.					
Elliot's, W.		Co.	347				
Sons	346-349	Pierston, A. N.	335				
Esler, J. G.	363	Pierston U-Bar					
Ernest, W. H.	362	Co.	364				
Eyres	350	Poehlmann Bros.	352				
		Pratt, B. G.	361				
Farquhar, R. &							
J. & Co.	349	Raedlein Basket					
Fiske, H. E.		Co.	352				
Seed Co.	349	Red Oak Nur-					
Foley Mfg. Co.	363	series	346				
Ford, M. C.	354	Reed & Keller	354				
Freeman, G. L.		Reinberg, Peter	352				
Co.	334	Rice Bros.	352				
Froment, H. E.	354	Rice, M. & Co.	334				
		Rickards Bros.	349				
Galvin, Thos. F.	351	Robinson & Co.	352				
Gloeckner, Carl		Rock, Wm. L.	350				
R.	349	Roehrs, Julius					
Greater N. Y.		Co.	334-335				
Florists' Asso.	354	Roland, Thos.	335				
Grey, T. J. Co.	349	Rolker, A. &					
Gude Bros. Co.	350	Sons	362				
		Rosens	352				
Hail Association	363	Sander & Son.	334				
Hart, Geo. B.	354	Schlegel & Pot-					
Heacock, J. S.		ter Co.	349				
Co.	334	Schultz, Jacob	350				
Heind, Geo. A.	350	Scott, John	335				
Herbert	346	Sharp, Partridge					
Hews, A. H. &		Sheridan, W. P.	354				
Co.	362	Siggers & Sig-					
Hillinger Bros.	362	gers	362				
Hill, The E. G.		Skidelsky & I.					
Co.	336	win	349				
Hitchings & Co.	364	Slinn, B. S., Jr.	354				
Hoerber Bros.	352	Smith, E. D. &					
Home Corresp.		Co.	335				
School	361	Smith, F. J.	354				
Horan, E. C.	354	Smith, W. & T.					
Hunt, E. H.	361-362	Co.	336				
		Smyth, Wm. J.	350				
Jacobs, S. & Sons	362	Standard Plate					
Jager, Chas. J.		Glass Co.	363				
Co.	361	Stearns, A. T.					
Kasting, W. F.		Lumber Co.	363				
Co.	354	Stickel, W. C.	335				
Kervan Co.	354	Stunapp & Wal-					
King Cons. Co.	363	ter Co.	361				
Krick, W. C.	354	Syracuse Pottery					
Kroeschell Bros.		Co.	362				
Co.	363	Tailby	350				
Kuebler, W. H.	354	Thorburn, J. M.					
		& Co.	349				
Lager & Hurrell	334						
Langjahr, A. H.	354						
Lawrence, H. V.	350						

Obituary.

William Benjamin Whittier.

William Benjamin Whittier, proprietor of the Framingham Nurseries, South Framingham, Mass., died Saturday afternoon, August 27th, after but a week's illness with pleuro-pneumonia, aged 51 years. Mr. Whittier, who was a native of Nova Scotia, founded the nurseries with which he was con-



WILLIAM BENJAMIN WHITTIER.

nected and for the past ten years has conducted the business personally. It was recognized as one of the town's most successful concerns. Besides his wife he is survived by three small children. He was a member of the Bunker Hill Lodge I. O. O. F., and the Encampment. The funeral services were held at his late home on Tuesday the 30th. Interment in Edgell Grove Cemetery.

Everett C. Lufkin.

Everett C. Lufkin died suddenly at his home on Lexington street, Lynn, Mass., August 22nd. The deceased was 64 years of age and had always resided in Lynn, being a florist on Lexington street for the last 20 years.

The Southern Nurserymen's Association had a very successful meeting at Knoxville, Tenn., on August 24, 25 and 26. R. C. Berckmans is president of the Association.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—First-class man to take charge of private place in eastern Massachusetts. \$100 a month. Address, D. F., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED, FARM MANAGER, with lifetime experience, also thorough seedsman and expert in growing of seeds is desirous to make a change. Am acquainted with general farming and truck farming. First class references as to business ability and character. Besides salary a share of the net profit of the farm wanted. Address, "Seeds," care HORTICULTURE, Boston, Mass.

SITUATION WANTED by first class grower. Danish, age 31; has 16 years' experience in all branches; capable of taking charge of commercial or private place. Hustler, strictly temperate and tends to business. Ready for engagement. Good wages expected in return for good work; state same and give full particulars in first letter, please. Address, "H. E.," HORTICULTURE.

SITUATION WANTED

Gardener or estate foreman, by young married man. Efficient in all branches of horticulture. First class references. Address, M. S., care HORTICULTURE.

SITUATION WANTED as assistant, by man experienced in all branches of gardening. Private place preferred. Home desired with head gardener. Address, A. R., 22 Adams Ave., Everett, Mass.

MISCELLANEOUS

WANTED—At once, Ice Box 17 to 18 ft. long, 6 to 8 ft. deep, good height. Give price and full particulars. "F." care HORTICULTURE, Boston.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserius good stock, 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD,
Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse, 14,000 square feet of glass, excellent condition. Steam heat, stock of chrysanthemums, violets, pinks, geraniums, etc. New eleven room house; town water and cars pass. Sixteen acres of land, 14 miles from Boston. Price \$6500, easy terms. R. E., care of Horticulture Publishing Company.

Wellesley, Aug. 23, 1910.

Please stop my adv. Got successful answer.

T. D. HATFIELD.

PHILADELPHIA NOTES.

Our Philadelphia office is in receipt of a fine bouquet of Gaillardia grandiflora from W. F. Bassett, Hammononton. This is a fine thing for summer cutting and is becoming more popular every year.

A big shipment of the new stock immortelles arrived last week on the S. S. "Manitou" for M. Rice & Co. Also the largest shipment of baskets, etc., in the history of the firm, ex: the S. S. "Pollanza."

Samuel S. Pennock (Pennock-Meehan Co.) started for New England and Nova Scotia points, August 25, the hay fever epidemic having struck Philadelphia on that date. He was accompanied by his two boys and will be gone about three weeks.

We understand that about six of the prominent dahlia growers of Hammononton have formed an association for the promotion of the interest of this flower and those devoted to its culture. The elimination of conflicting ideas and items, is a great step towards profitable operation. When you get that you get real co-operation; and good-bye cut-throat!

H. W. Geller is the superintendent at the Baron de Hirsch School at Woodbury, N. J. They are doing good work there in horticulture and floriculture and have large plans for the future in course of incubation. Mr. Geller is a welcome addition to the world-wide family of HORTICULTURE readers and would be welcomed as a member of the Philadelphia Florists' Club.

Our good friend Charles E. Meehan, accompanied by Mrs. Meehan, took a three weeks' pleasure trip via Buffalo, through the Great Lakes to Minneapolis, recently. The trip was all water—Buffalo to Duluth, then rail to Minneapolis and St. Paul. One of the most astonishing sights on the way was the wonderful system of loading cargo boats at Cleveland. The boats were enormous for inland waters—many of them over six hundred feet in length, and the giant cranes could pick up a forty-ton car and drop the contents into these boats as if same were a cup of water. This was supplemented by a switchback which quickly removed the empty cars, and made everything go like clock-work. Mr. Meehan is going to commend this scheme to Mr. Fuerstenberg for his giant greenhouses at Ambler.

The ore docks at Marquette, Mich., looked also like one of the wonders of the world! The copper-colored water at Portage Lake, suggested an unworked filtering scheme to make a lot of money now going to waste! Duluth impressed Mr. Meehan as a fine city and a great iron ore and wheat centre. The locks at Sault Ste. Marie were eye-openers—very interesting indeed; boats three hundred to six hundred ft. long could be raised and sent on their way rejoicing in 5 or 10 minutes.

Minnesota and further west seems to be suffering from drought and forest fires. Minneapolis struck the senses as one of the most magnificent cities on the continent—its Nicollet avenue

being so wide and brilliantly lighted from end to end, as to rival the celebrated board walk at Atlantic City. One of the great things in these north western cities is their freedom from monopoly of natural resources. Their water power and other franchises have been used for public utility so that lighting and transportation are far su-



CHARLES E. MEEHAN

perior and much cheaper than what we enjoy in the East.

Visitors: Harry Papworth, Metairie Ridge Co. and U. J. Virgin, New Orleans, La.; Jos. Fleischman, N. Y. City. G. C. W.

INCORPORATED.

Tropico, Los Angeles, Cal.—Sunset Nurseries, capital stock \$20,000. Directors, H. D. Robinson, Charles Moset, Wm. B. Thomson, George C. Melrose and J. B. Tredwell.

Ontonagon, Mich.—Daniel Nehmer & Sons, to conduct a nursery business; capital stock \$15,000. Charles F. Nehmer, president and manager; Daniel Nehmer, vice-president, and Harry D. Nehmer, secretary and treasurer.

Martinsburg, W. Va.—Potomac-Shenandoah Co.; agricultural, horticultural and produce business, capital stock \$50,000. Incorporators, Charles Burdett Hart, Wheeling; Gray Silver, Alex. Clehan, Clarence E. Martin and N. T. Frame, all of Martinsburg.

Coriscana, Tex.—To rescue a man who was overcome by fire damp, W. T. Callens, a florist and old resident here, went into a well and was himself overcome and died before he could be rescued. He leaves a wife and several children.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

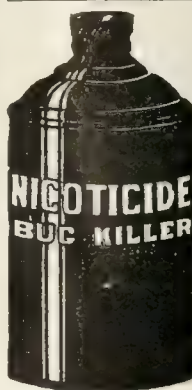
Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$37.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$3.00

Stump & Walter Co. 50 Barclay St., New York.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

PRATT'S SCALECIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

If you want your greenhouse benches to last;

If you want to lessen repair expenses;

If you want an up-to-date plant;

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We will tell you just how to do it. We will furnish you the molds. Write for full particulars and we will tell you all about it. No expensive labor to hire—you do the work.

E. H. HUNT, 76 Wabash Ave., CHICAGO, ILL.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Medicine Lodge, Kan.—On account of failing health John L. Brady has retired from business.

Lancaster, N. Y.—The Hammell property has been purchased by Wm. J. Palmer & Son of Buffalo.

Zenith, Wash.—The partnership of Elsner Bros. has been dissolved, Max Elsner buying his brother's interest.

Selma, Ala.—The greenhouses of the Selma Street and Suburban Railway Co. have been leased by Wm. Eickenroth.

Lisbon, Ohio.—C. C. Handerschilt has purchased five acres of land and will erect a greenhouse for growing plants for the city trade.

Bay City, Mich.—The greenhouse belonging to Martin Keit, Euclid avenue, was damaged by the storm of Aug. 22, glass being broken and stock damaged.

Loudonville, Ohio.—Harry Workman has sold his interest in the greenhouse to his brother Howard and expects to go to Cleveland in the near future.

Keokuk, Iowa.—A hail storm on Aug. 20 did considerable damage to the greenhouses of R. G. Schlotter and Wm. C. Laisle. Mr. Laisle estimates his loss at \$200.

North Abington, Mass.—Work on the new packing house of the Bay State Nursery Co. has been begun. This building is to be 60x132 feet, two stories in height and will cost \$7,000.

Atlanta, Ga.—Fifty acres of land in the Black Chadbourn tract have been purchased by the Dahl Floral Co., upon which they will build greenhouses. The site is an ideal one, being on three railroads.

Spokane, Wash.—The Van Holderbeke Nursery Co. has started a damage suit against the Northern Pacific Railroad Co. to recover \$1,096.75, the alleged value of a shipment of nursery stock which they claim was delayed in transportation. This delay caused the stock to become worthless. The goods were shipped on March 19 from Otis and were consigned to several customers at King Hill, Ida.

GREENHOUSES BUILDING OR CONTEMPLATED.

Austin, Tex.—A. J. Seiders, addition.

Red Bank, N. J.—Wm. Mears, one house.

Pierre, S. D.—Enoe & Barney, addition.

Clifton, Mass.—James Mockford, one house.

Des Plaines, Ill.—Norby & Hofle, one house.

Lisbon, Ohio.—C. C. Handerschilt, one house.

Orlando, Fla.—Luther, the florist, one house.

Superior, Wis.—F. H. Rockwood, one house.

Birmingham, Ala.—Ragner Bros., two houses.

Monmouth, Ill.—W. J. Miller & Son, three houses.

Sedalia, Mo.—The Archias Floral Co., two houses.

Plymouth, Mass.—Henry Hornblower, range of houses.

Atlanta, Ga.—Dahl Floral Co., range of houses, to cost \$25,000.

Red Bank, N. J.—W. W. Kennedy & Sons, house 25x100 feet.

St. Louis, Mo.—Adolph Ahner, sweet pea house 17x100 feet.

Paxton, Ill.—Adams Morgan & Co., 100-foot propagating house.

Washington, D. C.—O. W. D'Alcorn, range of houses for bulb growing.

Milwaukee, Wis.—Charles Bermeister, range of houses for sweet peas.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2 in. pots in crate	\$4.88		144 6 in. pots in crate	\$3.56	
1500 2 1/4 " " "	5.25		120 7 " " "	4.00	
1500 2 1/2 " " "	6.00		60 8 " " "	3.00	
1000 3 " " "	5.00		HAND MADE		
800 3 1/2 " " "	5.80		48 9 in. pots in crate	\$3.40	
500 4 " " "	4.50		48 10 " " "	4.80	
450 4 1/2 " " "	5.24		24 11 " " "	3.60	
350 5 " " "	4.51		24 12 " " "	4.80	
210 5 1/2 " " "	3.78		12 14 " " "	4.80	
			6 16 " " "	4.80	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Bolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

Holds Glass Firmly

See the Point #1

FULL SIZE
Nº 2

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogues.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781. BROOKLYN, N. Y.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**GREENHOUSE CONSTRUCTION
LUMBER**

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

ABOUT GREENHOUSE CONSTRUCTION

EVENTUALLY YOU WILL
BE A

KING CUSTOMER

WHY NOT NOW?

SEND FOR OUR BULLETINS

King Construction Co.

North Tonawanda, N. Y.

WRITE US FOR PLANS AND ESTIMATES COVERING YOUR NEEDS IN GREENHOUSE CONSTRUCTION MATERIALS

DRY LOUISIANA RED CYPRESS

PECKY CYPRESS

VENTILATING MACHINERY

STEEL TRUSS WORK—STEEL PURLINS, PIPE, FITTINGS, GLASS,

HOT BED SASH

THE FOLEY MANUFACTURING CO., Western Ave., and 26th St., CHICAGO

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.



Have an Indoor Aquatic Pool

Plan it with your greenhouse, it adds greatly to the interest of your house and they are somewhat unusual. This is the one at Mt. Holyoke College. When you are ready to build your greenhouse, we are ready to build it for you. New factory, up-to-date machinery—men who know how—and a construction that can't be beat, are what we have to offer you. Send for circular.

Hitchings & Company
1170 BROADWAY NEW YORK



Plan 68

It was erected for Mr. E. Y. Weber, at Stamford, Conn., J. Thompson, Gardener. The house is 141 feet long and 30 feet wide, has five benches and is divided into three compartments. The construction is our Sectional Iron Frame with Angle Iron Eave Plate and boarded sides. It is fully described and illustrated in the Advance Pages from our New Catalog. And speaking of greenhouses you will find these pages of especial interest—they line up the question in a way that has never been done before. Send for the Pages.

LORD & BURNHAM COMPANY
Irvington, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar (urved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

SEPTEMBER 10, 1910

No. 11



CELOSIA PRIDE OF CASTLE GOULD

Courtesy of Curtis Rhodes



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



U KNOW US!**LET'S KNOW U!**

60 Cents Per Pound and Upwards NEW CROP WHITE SILKY CAPE FLOWERS

If you have not yet secured any of these Cape Flowers at our
Special Import Price, send to-day for **Samples and Prices**, stating quantity wanted.

**The Leading Florists' Supply House and
Ribbon Specialists**

M. RICE & COMPANY

Importers—Manufacturers—Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, *O. Marshallianum*, *O. Fobesii*; *Laelia purpurata*, *L. cinnabarina*; *Cattleya citrina*, *Odontoglossum grande*.

CARRILLO & BALDWIN,
Mamaroneck, New York.

**Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.**

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

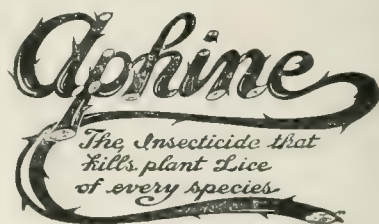
Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.



Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon, \$1.00 per quart.

Get it from Your Seedsman, or Write

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Crocker Building. San Francisco, California.

ORCHIDS

*Cattleyas, Dendrobiums, Laelias,
and Odontoglossums*

G. L. FREEMAN CO.
Fall River Mass.

GERANIUMS

We are headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagating.

We are now shipping fine stocky plants from 3 in. pots in a good assortment of Standard kinds at \$3.00 per 100; \$25.00 per 1000

Cannas and Dahlias. Send for list.

Alyssum and Swainsona, white, 3 in. \$3.00 per 100.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

2 1/2 in. pots \$15.00 per 100
3 1/4 " 30.00 "
5 " 50.00 "

CYCLAMENS

3 1/2 in. pots \$20.00 per 100
5 " 50.00 "

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE

per 100. per 1,000.
3-inch pots \$20.00 \$160.00
4 " 30.00 250.00

GARDENIAS

3-inch pots, \$15.00 per 100.
4 " 25.00
5 in. pots, \$5.00 per doz., \$35.00 per 100
6 " \$6.00 and \$9.00 per doz.

BOSTON FERNS

.35, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

21,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 100; \$30.00 1000.

CHINESE PRIMROSES

Best strain, 2 1/2 in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincey St., — CHICAGO, ILL.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS

ROOED CUTTING
Ricard, Poitevine, S. A. Nutt, Buchner. Orders
booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

DIRECT IMPORTATIONS

FROM OUR OWN DIRECT CONNECTIONS

Bay Trees, Kentias, Araucarias, etc. Fall or Spring shipment from Ghent, Belgium.
Roses, Rhododendrons, Boxwood, Paeonies, etc. Fall shipment from Boskoop, Holland.

Valley Pips Nov.-Dec. shipment from Germany.
Japanese, English, French and Holland Nursery Stock.

DELIVERY FROM NEW YORK

Raffia, 4 grades, bale lots, also colored.
Jap. Lilies, Formosum, Giganteum, Multiflorum, etc.

Write for prices and particulars.

McHUTCHISON & CO., 17 Murray St., NEW YORK

ROSE STOCK

2000 Richmond, } all own root
1000 Rhea Reid, } at 6c. each.
300 Ivory,

CARNATIONS

2000 each, } \$6.00 per
Mrs. J. C. Vaughan, } hundred,
Harlowarden } \$50.00 per
and Queen, } thousand.

CHARLES H. TOTTY
MADISON, N. J.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink.
Sangamo, Brilliant pink.
Mary Tolman, deep flesh-pink

CHICAGO CARNATION CO., Joliet, Ill

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

HERBERT, ATCO, N. J.
DAHLIAS Every Day In the Year.

Chrysanthemums

Fine stock from 2 1/4 and 2 1/2 in. pots.

J. W. Childs, Mme. J. Rosette, Pacific
Supreme, W. R. Bock, W. H. Chadwick,
Yellow Eaton, \$4.00 per 100; \$35.00 per
1000.

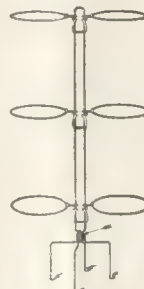
Autumn Glory, Ada Spaulding, Cul-
lingfordii, Dorothy Devens, Golden
Dome, Geo. Kalb, Glory Pacific, Harry
May, J. H. Troy, Maud Dean, Money-
maker, Mlle. A. Laurent, Miss Alice
Byron, Mrs. Baer, Mrs. R. McArthur,
Mme. Bergeman, Polly Rose, Riverside,
The Harriott, Timothy Eaton, W. H.
Lincoln, Wm. Duckham, fine stock,
\$3.00 per 100; \$25.00 per 1000.

Wood Brothers

FISHKILL, N. Y.

MÜLLER'S DOUBLE IMPROVED

CARNATION SUPPORT



Is the only Support on the mar-
ket that does not have to be tight
overhead. Lies flat when taken
down. Can be raised and low-
ered to suit plant.

Müller's Support Talks
For Itself.

O. A. MÜLLER,
Ambler, Pa.

Patented Feb. 8, 1910

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

STUART LOW & CO.

BUSH HILL PARK
MIDDLESEX, Near LONDON
ENGLAND

VINES IN POTS.

FRUIT TREES IN POTS.

CLIMBING ROSES, 10 to 14 feet long, in Pots.

FRUIT TREES, for Garden and Orchard Planting.

Get Our List and Prices**BOBBINK & ATKINS**

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS

FOR AUGUST AND SEPTEMBER PLANTING

Per Doz. Per 100

American Arbor Vitae.

4-5 feet.....\$7.00 \$60.00

3-4 feet.....6.00 50.00

Each Per Doz.

Golden, 18-24 in.....\$0.50 \$5.00

Pyramidal, 18-24 in.. .50 5.00

Cypress Lawsonia,

2-3 feet......75 7.00

18-24 in......60 5.00

Abies concolor, 18-24 in. 1.50 15.00

Tsuga Canadensis,

18-24 in......75 8.00

Picea Excelsa, 4-5 ft.. 1.00

Per Doz. Per 100

Picea Excelsa, 3-4 ft..\$6.00 \$40.00

" " 2-3 ft.. 4.00 25.00

" " 18-24 in.. 2.50 15.00

Each Per Doz.

" Pungens Glauca Koster

True Blue, 2-2½ ft..\$2.50 \$24.00

True Blue, 18-24 in.. 1.50 15.00

True Blue, 12-18 in.. 1.00 10.00

Roots dug with ball and burlapped

10c. extra.

CALIFORNIA PRIVET.

October Delivery,

2 years cut back and nicely branched.

Per 100 Per 1000

3-4 feet.....\$5.00 \$40.00

2-3 feet..... 4.00 35.00

Berberry Thunbergii,

18-24 in., very bushy 12.00 100.00

18-18 in., very bushy 8.00 80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries MANCHESTER, CONN.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

The E. G. Hill Co.

Wholesale Florists,

Richmond, Ind.

Box Trees

and other **EVERGREENS** for **Tubs** and **Boxes**
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

PHLOX

Extra Heavy, field-grown plants,
\$6 00 per 100; \$50 00 per 1000.

Madam Meuret, Stella's Choice,
Madame Pape-Carpentier, Le Pole Nord, etc.

Send for Sample

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 218 Jane St., Westhewton Hghs.
P. O. No. 1, Hoboken, N. J.

Acanthopanax Ricinifolium



Although it was introduced from Japan in 1874 this fine tree is hardly known outside botanic gardens but its many good qualities recommend it strongly for general cultivation in this country. From seed collected in Japan some fourteen years ago we now have good specimens in the Arboretum which give every promise of making handsome trees in a few years, as it is a fast grower and apparently quite impervious to any insect pests. According to Professor Sargent's Forest Flora of Japan, this tree is common in the forests of Yezo, where it grows to 80 feet in height with a tall straight trunk four to five feet in diameter and immense branches which stand out at right angles to the main stem, and the wood is largely used for furniture and other purposes. Although such large dimensions will probably not be attained in this country yet it will make a handsome tree for park planting and I believe there are great possibilities of its making a good street tree. The leaves are a dark glossy green on the upper surface and clothed with a whitish pubescence beneath. Individually they are from eight to ten inches across and resemble the foliage of the castor oil plant. The flowers though small are produced in large flat umbels during July and August and are succeeded by quantities of black fruits.

Arthur. E. Thatcher

Arnold Arboretum.

Cultivation of Mushrooms (*Agaricus campestris*)

Of the many species of fungi regarded as wholesome food *Agaricus campestris* is practically the only one cultivated. This is comparatively easy to grow where suitable accommodation can be given.

Where a quantity is required a special cellar should be provided, furnished with a small heating pipe so that the temperature can be kept up to 50 or 55 degrees during the cold weather. The benches should be 14 inches deep, 3 feet wide and 2 feet, 6 inches above each other, which will allow for working them with some amount of comfort. If no cellar can be provided, beds can be made up underneath the benches in cool houses and covered with straw to retain the moisture.

The first week in August is early enough to commence preparations; earlier than this the manure dries too quickly and will not respond to treatment. After this date beds can be made up every week until the benches are filled.

The whole secret in mushroom growing is preparing the manure. The required quantity should be got together from the stables as soon as possible and placed in an open shed or otherwise protected from the rains. This should be turned every morning and night and most of the straw picked out. After about a week of this the manure will heat up more evenly each day and become dryer. Guard against getting it too dry or the heat will not last.

When ready to be placed in benches add virgin loam one part to six of manure; this helps to keep it from over heating and exhausting itself in a few days. Make firm by ramming and fill benches up to within 1½ inches of top. The bed will commence to heat right away and should be tested each morning with a thermometer made for the purpose. It will probably rise to 110 degrees or more before it commences to fall. When it has come down to 80 degrees the spawn should be inserted. Break the bricks up into small lumps and bury these two inches deep in the bed about 1 foot apart. Leave the bed open until the temperature has dropped to 70 degrees, which will probably take a week or ten days, when a casing of loam should be placed over it one inch thick. Make this firm and level by pressing with a board. Keep the walls and top of bed sprayed twice a day and maintain a temperature of 50 to 55 degrees at night with advance of 5 degrees by day.

It will probably take four or five weeks for the mycelium to run and mushrooms to appear. Should the bed get dry water thoroughly with water having a temperature of 70 degrees. Beds have been known to bear for 12 and 14 weeks.

Where manure can be obtained easily and accommodation be found for the beds there is a good profit to be made in mushroom growing. Through the winter months there is always a demand at 75c. and \$1 a lb.

George H. Benson

Somerville, N. J.

HORTICULTURE

VOL. XII

SEPTEMBER 10, 1910

NO. 11

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE
 One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.
 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION— <i>Celosia</i> Pride of Castle Gould.	
ACANTHOPANAX RICINIFOLIUM—Arthur E. Thatcher	
—Illustrated	369
CULTIVATION OF MUSHROOMS—George H. Penson.	369
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK— <i>Adiantums</i> , <i>Gardenias</i> , <i>Ivy</i> , <i>Geraniums</i> ; Plants for Christmas; <i>Phalaenopsis</i> ; <i>Primulas</i> —John J. M. Farrell.	371
NEPENTHES AND RHODODENDRONS AT J. VEITCH & SONS'	372
U. S. DEPARTMENT OF AGRICULTURE; BUREAU OF PLANT INDUSTRY—New Plants Now Ready for Distribution	372
TWO OF THE NEWEST CHRYSANTHEMUMS—Illustrated	373
CLUBS AND SOCIETIES:	
Chrysanthemum Society of America—"Smith's Advance," Illustration.	373
American Association of Nurserymen—Newport Horticultural Society—Florists' Club of Philadelphia—Gardeners' and Florists' Club of Boston—New York Florists' Club	374
Railway Gardening Association, Illustrated Association of Hammonon Dahlia Growers.	375
OBITUARY:	
Thomas Mulligan—Thomas Mulhearn—Hugh Carmichael—Lyman B. Crow, portrait.	376
SEED TRADE:	
The Burpee Establishment, G. C. W.—Crop Report from Hartmann & Co.—Notes.	380
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.	382
Flowers by Telegraph.	383
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati, Philadelphia.	385
New York	387
CANADIAN DESTRUCTIVE INSECT AND PEST ACT.	392
MISCELLANEOUS:	
Rose Show at Kosterneburg—Frederick Moore.	372
Flower Show Notes.	373
News Notes.	376-387
New Plant for H. A. Dreer.	378
Observations by Leuthy.	378
An Aster Prize Contest.	380
Incorporated	380
Catalogues Received.	380
Japan Lily Bulbs Ruined by Floods.	381
Chicago Notes.	383
Boston Market Premiums.	387
Personal	387
Philadelphia Notes	387
Cincinnati Personals	387
A Botanical Garden for Brooklyn, N. Y.	393
Greenhouses Building or Contemplated.	394
Cement Greenhouse Benches.	394

For better business principles We would call attention to the recommendations of the American Association of Nurserymen so emphatically set forth in the communication by Secretary John Hall which appears on another page of this paper. We cannot but feel that

this action by the nurserymen is a step in the right direction. No business of any great proportions can long prosper while disregarding those rules and ethics which after centuries of mercantile experience have become systematized and universally accepted as necessary to the welfare of all interests in commercial life. The nursery trade and likewise the florists' trade, have now reached that magnitude where a general recognition of the separate yet interdependent rights of producer and wholesale and retail distributor becomes necessary and the policy of every man for himself and "deil tak' the hindmost" gets to be intolerable and ruinous. It is a deep-rooted evil which the Nurserymen's Association has undertaken to reform. It cannot be done in a day or a year but, as aforesaid, it is a step forward and, as such, should be earnestly supported.

The Railroad Gardeners

Still an infant, being less than three years old, the Railway Gardening Association already looms up as one of the national horticultural organizations blessed with a noble purpose in life and illimitable opportunity and endowed with the faith and the stamina which assure for it a stability and position of pre-eminence among those agencies which seek to make our country more beautiful and to elevate and direct by ever-present example, the popular taste for cleanliness, order and natural beauty. No organization has a wider field, no teacher a bigger or more receptive audience. It takes men of more than ordinary calibre to grasp the possibilities and needs of thousands of miles of highways passing through territory comprising every extreme of landscape scenery as many of these men are called upon to do. Railway gardening means vastly more than the planting of a few flower beds and shrubbery groups about a station, and to this art, as to every other department of railroading, only the best genius and talent available will find an open door. The organization of the American Association of Railroad Gardeners was an inspiration and marks the beginning of a movement which we feel is destined to wield a mighty influence and contribute in no small degree toward making our land one great and beautiful garden.

Beauty versus utility

Our florist friends of St. Louis who advertised for a cashier lacking the attractions of form and feature which had within the space of a year transported five cashiers one after the other to the matrimonial altar, are the subject of much editorial attention and comment in papers all over the country. We do not suppose that the publicity thus suddenly attained was contemplated or foreseen but, as it turns out, ingenuity could hardly have invented a more effective medium. The Detroit Free Press enthusiastically whoops it up for the plain girl, avers that beauty in a woman is a snare and a nuisance and that the plain girl is the patron saint of the sober-faced business man, the hungry man in the restaurant, and the man who enjoys intelligent conversation free from the smaller tiresome varieties. The Chicago Record rejoices that at last there is a promise of business opportunity for the plain woman but gallantly protests that there are no ugly women, and here the Chicago Record is right—at least, insofar as the florists' employes are concerned. We have seen a lot of them in our time and every one was attractive. Maybe there's something in the sweet atmosphere and surroundings of a well-kept flower establishment which makes a particularly charming and harmonious setting for femininity. "Handsome is that handsome does." We shall watch with interest the St. Louis experiment with the man-proof girl.

Seasonable Notes on Culture of Florists' Stock

ADIANTUMS

Bench-grown adiantums that have produced a crop of fronds for cutting should be allowed time for a short recuperative rest. At this period water should be given sparingly, although it must never be entirely withheld. The atmospheric moisture should also be reduced to a minimum while enough of moisture must be present about the roots to maintain a crisp liveliness in the plants. When the soil becomes fairly dry a good stirring should be given to surface of the beds. Give an abundance of air. If there should be any marketable fronds on the plants from the preceding crop, they should not be cut until the new growth has made appreciable headway. Even after the new fronds have pushed upward from all around the old stools, a sprinkling will afford all the moisture needed until the growth attains spread and shape; not until this should the usual quantities be given. By this process you will seldom fail to furnish an abundant crop of fine fronds for the holidays.

GARDENIAS

Now when the days are becoming shorter and the nights cooler, careful attention to every little detail should be exercised. Gardenias will stand plenty of air during the summer months, but at this time of the year considerable judgment will have to be used in ventilating. It is better to have artificial heat some time previous to this date, in order to avoid the condensing of moisture on the foliage, which is bad for the buds, causing them to drop. Don't keep the beds always saturated with water as it will cause the foliage to turn yellow. Extremes either way should be guarded against. Now when the roots have penetrated through all the soil in the bench, and before the plants show any signs of exhaustion through the want of nourishment, they should have a top dressing of some good loam, to which has been added about one part well-rotted cow manure to two parts soil using about a half inch at a time, and repeating as often as necessary during their flowering period. They require a night temperature of from 68 to 70 degrees at night. Syringe regularly so as to keep them in a clean and growing condition.

IVY GERANIUMS

Now is a good time to put in a stock. Fill some flats with two or three inches of sand, having about an inch of soil in the bottom, the propagating bench not being necessary for these cuttings. After putting them in give a good watering and after that let them become quite dry before watering again, although they should not be allowed to shrivel at any time. After they are rooted they will do very well in a cool, light house, which will delay potting off until there is room at hand.

PLANTS FOR CHRISTMAS

The plants most in demand at Christmas as pot plants are poinsettias, Begonia Gloire de Lorraine, adiantums,

cocos, Pandanus Veitchii, lilies, cyclamens, azaleas, primulas, ardisias, Celestial peppers, Jerusalem cherries, oranges, araucarias, ferns, palms, and other decorative plants. While Christmas is yet over three months off there is much to be done in preparatory handling of the stock for that occasion. Bring your plants along so they will not have to stand the high pressure of extreme forcing. Liquid manure feeding should be in order with all plants that have filled their pots with roots so as to perfect the flower and add color to the foliage. Be very careful as to watering, giving all plants a required amount so as to keep them in unimpaired health, but be careful and guard against overwatering which is a persistent despoiler of the beauty of most plants by making them lose their foliage. It is well to take a careful survey of your stock and estimate whether you will have enough to meet the increased volume of holiday trade. A count-up will very often reveal the want of some stock which at the present time can be advantageously procured through consulting the advertising columns of HORTICULTURE. Now is the time to buy.

PHALAENOPSIS

These orchids when given special attention as to their culture will repay the grower in a sight of superlative beauty never to be forgotten. There are many species but only a few are seen in commercial use. They are not of easy culture, being very susceptible to any fluctuation in the temperature, or to direct sunlight excepting in December and January, shade being necessary during the rest of the year. But from now on the shading should not be heavy—only enough to exclude the direct rays of the sun. Too much shade with the great heat and moisture is sure to make a weak growth. Plants will be incapable of withstanding the change in humidity and temperature that they will have to undergo more or less during the winter, if they are not in good condition before the dark and dull days catch them. They require the temperature of the East Indian house, where 65 to 70 degrees at night is maintained. The atmosphere should be kept pure by admitting air in a greater or less degree on favorable occasions, avoiding all direct drafts on the plants. Weak liquid cow or sheep manure can be given with good results when they are flowering. Phalaenopsis amabilis, P. grandiflora, and P. Schilleriana are about the best.

PRIMULAS

Now is a good time to give your primulas their last shift. Good marketable sizes are 4 or 5-inch pots, but for large specimens a 6-inch pot or pan should be used. A suitable compost can be prepared by intermixing equal parts of light friable loam, cow manure, sand, and leaf mold. See that they have good drainage, which is very necessary. There is no better place for primulas now than a cold frame, where if properly protected from frost, they can remain until late in October. After that a safer place for them would be in any cool house, placed on a well-lighted bench. They do finely when grown in a temperature of 45 degrees at night.

John J. M. Farrell

Mr. Farrell's list of plants will be on the following: Ardisias, Crimson and Baby Rubber Trees, Crotons, Peonies, Pinks, Snapdragons.

NEPENTHES AND RHODODENDRONS AT J. VEITCH'S AND SONS.

At whatever season a visit be paid to this, the finest plant establishment in London, objects of interest in bloom may always be found in the numerous glass houses. And although some plants have to be cultivated at branch nurseries outside the London radius, as for example, orchids, etc., the show houses are maintained in a gay, interesting manner by relays of plants from the branches at Coombewood, Feltham and Langley, situated at from 5 to 20 miles away, where the air is not smoke-laden and fogs deleterious to plants do not occur.

On the occasion of a visit to the home nursery at Chelsea, on August 24, I found the Nepenthes house filled with plants suspended in wooden baskets, in most cases loaded with their quaint pitchers. Beneath them, extending the entire length of the house, is a shallow water tank in which tender aquatic plants are propagated and grown. The conditions are those of the moisture laden tropics, more particularly of Borneo and the other islands of the Malayan archipelago. Beside *N. Domini*, raised in the Veitchian nursery at Exeter, by crossing the female flowers of *N. Rafflesiana* with the pollen of an undetermined Bornean species, *N. Hookeriana*, *N. Chelsoni*, *N. intermedia*, *N. ampularia* and its varieties, I noticed the newer introductions, as *N. Balfouriana* (*N. Mastersiana* × *N. mixta*), having pitchers 7 to 9 inches in length, greenish yellow marked with crimson spots and lines, and the wings are conspicuous with well marked cilia. The rim is lobed, yellowish when young, changing with age to dark crimson. *N. Dicksoniana*, a cross of *N. Rafflesiana* and *N. Veitchii*, the pitchers 9 to 12 inches in length, of a light sulphury green tint, speckled with bright crimson; the rim is of good breadth, reflexed at the sides. *N. ventricosa*, a Philippine species, with pitchers 5 to 6 inches long, constructed about the middle with a truncate mouth about 2 inches across, the rim waved, crimson in the young pitchers and deepening with age to a purplish crimson. *N. Tiveyii* has large pitchers, ground color pale green marked with crimson, the wings are well fringed and the rim is broad and of a mahogany color. *N. Burkilli* excellens has much larger pitchers than the type and these are more rich in color, the rim is broader, of a deep chestnut red, the spots are many and large. *N. Morganiae* is a cross of *N. Hookeriana* and *N. phyllamphora*, the pitchers crimson when fully grown and about 8 inches long. *N. Curtisii* *superba* is much finer than *N. Curtisii*, the ground color crimson, with longitudinal yellowish green streaks and markings, the rim of a dark red tint and lid yellow freckled with red. The above are among the newer hybrids observed.

Rhododendrons of the Javanico-Jasmaniflorum Section.

These beautiful hybrids are going over for the season, still there were a few carrying fine trusses of blooms of which I may name *Aphrodite*, blush rose with white suffusion; *Diadem*, orange-scarlet with a tinge of scarlet; *Ruby*, a multicolor hybrid, coral red

in tint and flowers numerous, coming in neat compact trusses; *Thetis*, tawny yellow tinged with rose; *Hercules*, yellow tinged with rose, very pretty; *President*, buff of a clear tint, having a nuance of rose pink; *Triumphans*, a fine bright crimson, a fine thing; *luteo-roseum*, color rose-pink, suffused with white, the centre light yellow, and lastly *Souvenir de J. H. Mangles*, orange with a suffusion of rose.

U. S. DEPARTMENT OF AGRICULTURE; BUREAU OF PLANT INDUSTRY.

New Plants Ready for Distribution.

Ipomoea fuchsoides. 20895. A tuberos morning-glory, indigenous to South Florida. It is of vigorous growth and covered for a large part of the year with brilliant carmine colored blooms.

Dendrocalamus strictus. 21548. A very useful and strong growing bamboo of India, attaining a height of 100 feet, occasionally forming forests. This species does not die down after flowering as do other bamboos. It endures cold, as well as dry heat, and is useful for the protection of embankments on account of its fibrous roots.

Clematis recta mandshurica. 22620. An ornamental, herbaceous perennial, 2 to 3 feet high, indigenous to China.

Astrapea wallichii. 19897. An ornamental tree introduced from Madeira, having large pendant clusters of pink flowers.

Passiflora edulis. 25874. A climber indigenous to Brazil, producing an edible fruit.

Echium fastuosum. 26190. A shrub indigenous to the Canary Islands, cultivated in California for its ornamental value.

Heeria elegans. 7688. A trailing plant indigenous to Southern Mexico; suitable for hanging baskets and rockeries.

Jasminum nitidum. 7342.

Cyphomandra betacea. 25515. This species is an herbaceous shrub, indigenous to the mountain regions of Brazil, adjacent to Peru. The fruit is egg-shaped, about 2 inches long, with a tomato-like flavor.

Macadamia ternifolia. 25845. A nut bearing tree from Australia, about as hardy as the orange. It is evergreen, and under favorable circumstances attains a height of 60 feet.

Olea foveolata. 25846. A tall shrub, indigenous to South Africa.

Quercus dentata. 26945. An oak, indigenous to parts of China, Korea and Japan. This is one of the species on which the oak-silkworm feeds.

Feijoa sellowiana. 26120. This dark evergreen shrub is indigenous to Argentine. In hardiness it about equals the orange. The fruit is green, tomentose and averaging 1 inch in diameter; it is very delicately flavored. It succeeds well in California.

Pinus armandi. 27046. A dwarf pine from Western China.

Lonicera pileata. 27047. An ornamental, suitable for rockeries and shrubberies.

Caesalpinia nuga. 25803. An attractive, sweet scented, flowering scandent shrub, indigenous to the Philippines.

Bambos arundinacea. 27490. A bamboo, indigenous to India. This species attains a height of 30 to 45 feet, and being extremely spiny, makes an admirable living hedge, impenetrable by man or beast. It succeeds well on

moist, rich soils, particularly on river banks. The seeds are used in India as food for poultry.

Juniperus pachyphloea. 24624. A tree sometimes attaining a height of 60 feet, indigenous to the arid Southwest at elevations of 4000 to 6000 feet.

Greigia sphacelata. 24207.

Eucalyptus microtheca. 23495. Indigenous to Australia; a tree attaining a height of 150 feet under favorable conditions. Successfully resists frosts above 18 degrees Fahrenheit. Requires well drained soil and is well adapted for desert regions. The timber is particularly useful for piles, bridges and railway sleepers.

Panicum divaricatum. 24879.

Amygdalus nana. 24809. A dwarf almond from Turkestan.

Pinus peuce. 24338. An ornamental hardy pine of dense, regular habits and slow growth. Native to Southeastern Europe. Attains a height of 50 feet.

Phyllanthus acida. 23472. A small, very ornamental tree, indigenous to India and Madagascar, belonging to the family Euphorbiaceae. The fruit is produced in great abundance, and may be used in the manufacture of pickles or preserves. In hardiness the plant equals the mango and avocado.

Ruscus aculeatus. 22429. An erect liliaceous shrub, suitable for garden hedges; native of the Mediterranean countries, Central Europe and South-western Asia. The young shoots are edible.

Chionanthus retusa. 21617. Indigenous to China. A deciduous tree with Rhamnus-like leaves. In spring it bears white fringed, fragrant flowers, followed in the fall by masses of blue berries.

ROSE SHOW AT KLOSTERNEUBURG.

The ancient town of Klosterneuburg, founded 1000 years ago by Leopold the Heilegen, close to the right bank of the Danube, possesses the famous benevolent foundation, the Prebendary Canons Choir. The building lies near the river, and on a precipice and from the Restoration terrace of the "wine cellar," the beholder has a magnificent view of the Danube meadows; behind he has the Castle of Kreutzenstein, belonging to Count Wilceck. The old town Klosterneuburg itself is built on a steep acclivity, and behind it are the Leopoldsberg, Kahlenberg and other marks of the natural beauties of Vienna. In honor of the 80th birthday of Kaiser Franz Josef I., from June 18-20, a rose show was held in the Kaiser saloon, and the neighboring rooms. In spite of the unfavorable weather, which rendered the holding of the show a matter of doubt at one time, there was no lack of roses, and cut blooms and potted roses filled the Kaiser saloon. The nurserymen Felmayer, Debora and Praskac, from Tulln, brought variegated-leaved shrubs and roses, a fine collection; climbing roses and pot roses of La France, hydrangeas, ornamental-leaved begonias, came from local and more distant exhibitors, and a good many exhibits came from private places round about. The yellow roses seemed to have almost disappeared. The Viennese do not like them nor anything of a yellow color. Moss roses similarly are out of fashion, for none were observed. New roses of the build of Druschki in rose red and dark red appear to be the favorites. FREDERICK MOORE.

TWO OF THE NEWER CHRYSANTHEMUMS.



YELLOW MILLER (TOTTY).

These are novelties of the last season. Yellow Miller is a sport of the bronze Mrs. J. A. Miller. It won the seedling class for light yellow at Chicago on both exhibition and commer-



WHITE CLOUD (SMITH).

cial scale and has received five other certificates. It is a fine grower and the flower is very large. We expect to see it among the prize-winning sets in many of the shows this year.

White cloud is an early variety, a

pure white Japanese, rather loose bloom, very large, creamy white centre and with good stem and foliage. There is always room for a good early white, for market purposes especially, and this variety certainly looks good.

FLOWER SHOW NOTES.

The third annual exhibition of the Weston Cottage Gardening Association was held on August 27, at Weston, Manitoba. There was a fine show, with good music and the affair was an unqualified success.

George A. Robinson, J. Luck and W. P. Pascoe were the judges in the Montreal Horticultural Society's garden competition. Eight prizes were awarded for city gardens, suburban gardens and back-yard gardens.

An attractive flower show was given at Andover, Mass., on September 3, under the combined auspices of the Gardeners' and Florists' Club and the Village Improvement Society. Special displays were made by Messrs. Farquhar and Fiske Seed Co.

The exhibition of the Worcester County (Mass.) Horticultural Society on September 1, was especially rich in gladioli, of which J. L. Moore and E. W. Breed showed some desirable novelties. Asters, dahlias and cannas were displayed in profusion and the fruit entries were numerous.

The Aberdeen (Wash.) Civic Improvement Association's second annual flower show was a great success, showing a decided advance in all respects over that of last year. Both adults and children took part in the competition and more than one thousand admissions at 10 cents were recorded.

The sixth annual carnival of the Fairport (N. Y.) Floral Society, was held on August 26 and 27. The display of flowers, center pieces, plants, etc., was not quite as large as in recent years, but was superior in quality. Chas. H. Vick, of Rochester, and F. S.

Fisher of Fairport, served acceptably as judges.

The first flower show in Helena, Montana, held at the Auditorium on August 25, was a grand success in the extent and quality of the displays and the appreciative interest shown by the public. The enterprise was conceived and carried out by the ladies and the professional florists lent their aid. There were over 300 entries. Gov. Norris and Pres. Pickett of the Commercial Club made short addresses.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Report of Committee.

Cincinnati, Ohio, Aug. 27th, 1910. Exhibited by Elmer D. Smith & Co., Adrian, Mich., "Smith's Advance;" color, white; type, Japanese Reflexed.

Commercial scale: Color, 18; form, 12; fullness, 10; stem, 15; foliage, 10; substance, 13; size, 8. Total, 86 points.

C. W. JOHNSON, Sec'y.

NEW WHITE CHRYSANTHEMUM "SMITH'S ADVANCE."



As shown at Detroit Florist Club, August 29, 1910.



WM. ELLIOTT & SONS

Will hold their first sale at

AUCTION

TUESDAY, SEPTEMBER 13th, AT NOON

Offering a choice consignment of Foliage Plants for indoor decorative purposes.

W. J. ELLIOTT, Auctioneer.

WM. ELLIOTT & SONS,

42 VESEY STREET, NEW YORK

CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF NURSERYMEN.

At the 35th annual meeting of this Association, held in Denver, Colo., June 8, 9 and 10, 1910, Mr. J. H. Dayton, Painesville, Ohio, reported for a committee appointed at the 1909 meeting to consider suggestions contained in a paper read by Mr. Dayton. This committee, composed of Messrs. Dayton, Irving Rouse and Wm. Pitkin, recommended as follows:

"That our lowest prices or trade lists should be mailed only to nurserymen or dealers with established headquarters, who are known to be actively engaged in the trade.

"That some effort should be made to have our price lists and quotations to orchardists and retail buyers nearer a uniform basis for same grades and varieties of stock.

"That as the practice of cutting prices as the season advances is one of the greatest demoralizers of both the wholesale and retail trade, established rates should be adhered to throughout the season.

"That parks, cemeteries, and other public institutions are not in the trade and are not entitled to trade rates.

"That stock shipped on orders of landscape architects and invoiced direct to their customers should be billed at same retail rates as if the order came direct from the planter."

[The report was unanimously adopted.

Chairman Hill said: These recommendations are not simply so much hot air. I regard every one of them as very important, and the observance of them will mean money in your pocket in the end. Post them on your desk as a reminder that you voted for their adoption.

JOHN HALL, Secretary.

NEWPORT HORTICULTURAL SOCIETY.

The annual autumn exhibition of this society will be held in Masonic Hall, Newport, R. I., on Saturday, Sunday and Monday, Sept. 17, 18 and 19, opening to the public at 3 p. m. on Saturday. As previously noted in HORTICULTURE, the prize list is a very liberal one and will undoubtedly bring out a fine display of the cultural skill of Newport's expert gardeners. There are many special prizes contributed by local patrons of the society and by seed and plant houses of prominence. Copies of the schedule may be procured from the secretary, D. J. Coughlin, Bellevue avenue.

FLORISTS' CLUB OF PHILADELPHIA.

Nomination of officers for the ensuing year and an experience meeting in regard to the recent S. A. F. convention at Rochester were the principal events of interest at the monthly meeting of the above club held on the 6th inst.

The old board of officers, namely: Joseph Heacock, president; Alfred Burton, vice-president; George Craig, treasurer; David Rust, secretary, were unanimously nominated to serve for another year. In view of the fact that a nomination without opposition is equivalent to election, John Westcott suggested that the officers at next meeting, first Tuesday of October should set 'em up at their own expense for the members—to which the officers smilingly assented; with the proviso by some of them that they should not be bound to go beyond lemonade. Make a note of the date and do them the honor of drinking to the combined health, wealth and happiness of these fine gentlemen and their fine old club.

J. Otto Thilow, Leo Niessen, John Westcott, Theodore Shober, Joseph Heacock, and Dennis Connor were the principal speakers in regard to the convention. All expressed themselves as highly pleased and greatly benefited by their trip and thought the S. A. F. was the greatest thing for the general welfare and getting more and more so every year. Everybody in the trade ought to belong to it.

Edwin Lonsdale, who is now located permanently in California, and W. H. Taplin, who is now at Flatbush, were paid the high compliment of being elected to honorary membership in recognition of their active and valued services to the club for many years.

The twelfth annual convention of the Southern Nurserymen's Association met at the University of Tennessee, Knoxville, Tenn., August 25th. Officers were elected as follows: President, W. A. Easterly, Cleveland, Tenn.; vice-president, Aubrey Frinck, Winchester, Tenn.; secretary and treasurer, A. I. Smith, Knoxville, Tenn., re-elected. The next convention will be held at Greensboro, N. C., the fourth Wednesday in August of next year.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Club meetings will be resumed on Tuesday evening, September 20, at 8 o'clock in Horticultural Hall. In lieu of a regular lecture there will be vacation experiences of a number of members some of whom have visited Europe. These should prove very interesting. Judging from the demand for membership blanks the Club will receive many new members at the coming meeting. In view of the near approach of the National S. A. F. Flower Show, which means much work for the Club, it is hoped there will be a good attendance at the first fall meeting on Sept. 20.

W. N. CRAIG, Sec.

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be held at the Grand Opera House Building on the evening of Monday, Sept. 12, at 7.30 o'clock.

Walter F. Sheridan, chairman of the Essay Committee, announces that at this meeting many of our "shining lights" that were present at the recent convention of the S. A. F. & O. H. in Rochester will give discourses upon the same.

The Exhibition Committee desires exhibits of seasonable plants or flowers and reminds that the competition for the Hitchings Cup is still on.

A new list of members will be issued shortly, and the secretary asks that he be advised at once of any change in members' addresses.

J. B. Nugent, chairman of the House Committee, has some new and original ideas on this subject and will demonstrate same at this meeting.

JOHN YOUNG, Sec'y.

The flower show and field meeting of the New London Horticultural Society held at the estate of George S. Palmer, Pequod, Conn., on August 23, was a very fine affair, the gardeners on the large summer estates in that section and the local florists, as well as amateur growers, contributing liberally of their best. The show was one of the leading events of the Pequod season.

The cream of the crop in Japan is Horseshoe Brand Giganteum of superior assortment. This brand is selected and packed by men who know; the bulbs will average better per thousand than any brand known. The price is \$75 per 1000 for size 7 to 9 inches, no matter who you are or where you are or how many you buy. Every case is recorded and contains a certificate of origin. No other dealer gets this brand—it is sold exclusively from this office direct to the growers.



Not How Cheap
But How Good

RALPH M. WARD & CO.

12 West Broadway, New York

RAILWAY GARDENING ASSOCIATION.

The American Association of Railroad Gardeners, as it has been called heretofore, convened in Boston on September 5, and held a two-days' convention. The first session was called to order at the Crawford House on Monday at 10 a. m., and routine business was put through under the able direction of President Geo. B. Moulder of the Illinois Central Railroad. A tour of inspection of the station grounds and plantations of the Boston & Albany Railroad under the escort of E. A. Richardson followed, and a stop was made at Woodland for the afternoon meeting, when the president read his address and Secretary J. S. Butterfield, of the Missouri Pacific System, presented his report. An able address on the "Results of Neater Appearance" was made by N. S. Dunlop of the Canadian Pacific and Walter E. Cook presented a greeting from Vaughan's Seed Store. The following papers were read: "The Cinder Problem," E. A. Richardson, B. & A. R. R.; "Arrangement of Ideal Station Grounds," J. A. Byrne, B. & O. R. R.; "Trials of a Railroad Gardener," J. Gipner, Michigan Central; "How to Grow Carnations," C. H. Fritschler, N. C. & St. L.; "Effect of Railroad Gardening on Traveling Public," R. J. Rice, Michigan Central, and an address on "Propagating Shrubs," by H. A. Bodge, Illinois Central.

The sentiment among the members as expressed was very strong against the "bill-board nuisance." At a session of the executive committee the secretary was instructed to defer for two weeks the handing over the matter for the annual report to the printer in order to allow members who have not done so an opportunity to send in photographs or reading matter which they wish incorporated.

On Tuesday, September 6, 1910, a special tour of inspection of three divisions of the Boston & Maine System was made, in charge of J. E. Judkins and Daniel Desmond, Boston & Maine gardeners, which was followed by a meeting in the office of Geo. H. Foot, Boston & Maine Passenger Train Master. The report of Committee on By-Laws was adopted with the following changes: Name: Railway Gardening Association; Membership: Active and Life, limited to Railway Employees; Dues: Active, \$2.00 per annum; Associate, \$10 per annum; Life, \$10.00. The



President-elect Patrick Foy on his job.

election of officers resulted as follows: President, Patrick Foy, Norfolk & Western, Roanoke, Va.; vice-president, J. E. Smith, Penna., Ridley Park, Pa.; secretary-treasurer, J. S. Butterfield, Mo., Pac. Iron Mt., Lee's Summit, Mo.; executive committee, all the officers and A. V. Smith, Penna., Ridley Park, Pa.; F. W. Vail, Central of New Jersey, Dunnellen, N. J.; H. A. Bode, Illinois Central, Champaign, Ill. Time and place of next meeting—Chicago, Ill., Aug. 15, 1911.

ASSOCIATION OF HAMMONTON DAHLIA GROWERS.

The Association of Hammonton Dahlia Growers was organized Monday evening, August 29th, 1910, and elected

Wm. F. Bassett president, C. A. Wood vice-president and Edw. H. White secretary.

The commercial growers of Hammonton, realizing that the best dahlia blooms in the Philadelphia market were grown in Hammonton and vicinity, decided to organize for the purpose of further advertising Hammonton-grown dahlias, securing better transportation facilities, improved methods of cultivation, etc. They have adopted a uniform copyrighted label, which will be attached to all shipments. This will be of great assistance to the buyer, as he can feel assured of getting superior flowers if he buys dahlias with the Hammonton label.

THOUSANDS OF DOLLARS WASHED AWAY

FOR THE "LAND'S SAKE" Why Don't You
Terrace That Farm of Yours?

You don't need a
Surveyor. Get a

Bostrom Improved Farm Level and do the
work yourself



THIS LEVEL IS NO MAKESHIFT. The outfit includes Level, Telescope with magnifying glasses enabling you to read the Target a quarter of a mile away; Tripod, Graduated Rod, Target, and Bostrom's 70 page book—"Soil Salvation"—giving the cream of 25 years practical experience in TERRACING, DRAINING, and IRRIGATING, with full instructions on how to use the Level. Simplicity, Accuracy, Durability, GUARANTEED. Used and endorsed in every state in the Union, also Canada and Mexico. Shipped on receipt of price \$15.00; money back if not satisfied. Or, if preferred, we will ship C. O. D. \$15.00 and express charges, subject to approval. Shipping weight 15 lbs. If not on sale in your town, order from nearest address.

BOSTROM-BRADY MFG. CO. 323-H Brunswick Bldg. NEW YORK
139 Madison Ave., ATLANTA, GA. 1139 Pine St., ST. LOUIS, MO.

Heacock's Palms Are The Best All-'Round Decorative Plants Your Trade Can Buy



THERE still remain several weeks of "out-door" weather in which your customers will want to keep their verandas and lawns attractively decorated, but the time is not far away when they will want plants to brighten up the inside of the house.

This affords a splendid opportunity for you to sell more Palms—there is no better all-round plant for indoors and out, Winter and Summer, than a good Palm; our Palms are grown so that they are really the best you can get.

They are profitable for you to handle, assure satisfaction to your trade, and make it easier for you to sell, not only more Palms, but more of other things as well.

Our Palms are clean, well-grown, attractive stock; the kind you'll be glad to handle if you're not already carrying them. We've had a busy season, but there is still an excellent stock to select from. Look over the list and let us know your wants NOW.

ARECA LUTESCENS

	In. high	Each
6-in. pot . 3 plants in pot	26 to 28	\$1 00
7-in. pot . 3 plants in pot	30 to 32	1 00
8-in. pot . 3 plants in pot	36	2 50
8-in. pot . 3 plants in pot	42	3 00

COCOS WEDDELIANA

	In. high	Per 100
2 1-2 in. pot	8 to 10	\$10 00
2 1-2 in. pot	10 to 12	15 00

KENTIA BELMOREANA

Leaves	In. high	Each	Doz	Per 100
3-in. pot	8 to 7	18	\$6 00	\$50 00
6-in. pot	6 to 7	22 to 24	\$1 00	12 00
6-in. pot	6 to 7	24 to 26	1 25	15 00
6-in. pot	6 to 7	26 to 28	1 50	18 00
7-in. tub or pot	6 to 7	34 to 36	2 50	30 00
7-in. tub or pot	6 to 7	36 to 38	3 00	
7-in. tub or pot	6 to 7	40 to 45	4 00	

	Leaves	In high	Each
9-in. tub	6 to 7	42 to 48 very heavy	\$5 00
9-in. tub	6 to 7	48 to 54 very heavy	6 00
9-in. tub	5 to 7	5 ft. very heavy	8 00

KENTIA FORSTERIANA

Leaves	In. high	Each	Per doz.
6-in. pot	5 to 6	28 to 30	\$1 00 \$12 00
6-in. pot	6	34 to 36	1 50 18 00

MADE-UP

KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot. 4 plants in pot	36	\$2 50
7-in. tub or pot. 4 plants in pot	36 to 40	3 00
9-in. tub or pot. 4 plants in tub	42 to 48	5 00
9-in. tub	4 plants in tub. 4 ft.	6 00
high, heavy		6 00
12-in. tub	4 plants in tub. 6 ft.	15 00
high, heavy		15 00

CIBOTIUM SCHIEDEI

Ready in September. Stock Limited.

	Each
9-in. tubs	4 to 5 feet spread \$6 00
9-in. tubs	6 ft. spread 7 50

PHOENIX ROEBELENI

	Each
5-in. pots, nicely characterized	\$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00

"When in Philadelphia Be Sure to Look Us Up"

Joseph Heacock Co., Wyncote, Penna.

Railway Station: JENKINTOWN

Obituary.

Thomas Mulligan.

This well-known and highly respected market gardener died in Revere, Mass., on Sunday, August 28, at the advanced age of 89 years.

Thomas Mulhearn.

Thomas Mulhearn, who was killed almost instantly at the Shreveport street crossing of the Old Colony Railroad at Dorchester, Mass., last week, had been in the employ of Norton Bros. at their greenhouses in Dorchester, from boyhood until the discontinuance of the greenhouses a few years ago and was well-known to the flower trade of Boston as a good and faithful employe. Latterly he has been engaged by the gas works as a watchman. His age was fifty years.

Hugh Carmichael.

Hugh Carmichael, an old country gardener, who has spent the last ten years of his life in retirement at the home of his son, Donald Carmichael, florist of Wellesley, Mass., died on August 18th at his old home in Oban, Argylshire, Scotland. Mr. Carmichael was 82 years of age. He had gone back on a visit to his native town and was taken ill shortly before the date on which he was to return to America. As a young man he served his appren-

ticeship on the estate of Sir Michael Shaw Stewart.

Lyman B. Crow.

We learn with the deepest sympathy for the bereaved wife and little child, of the death of this sterling young man



LYMAN B. CROW

whom it has been our privilege to know intimately for many years. For the past ten years as secretary and general sales manager of the Lord & Burnham Company, of New York, and

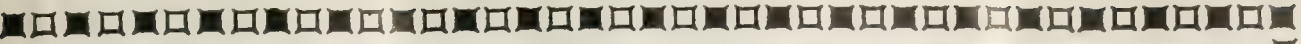
previously as traveling representative of the interests of the firm, Mr. Crow was widely known in the florist trade and amongst the gardening profession.

His parents having died when he was very young, Mr. Crow was brought up in the family of an uncle and at the age of 17 went into the employ of Lord & Burnham in the bookkeeping office, Mr. W. A. Burnham being an uncle on his mother's side. He was 40 years old at the time of his death.

Mr. Crow has been in delicate health for a long time and over a year ago underwent a serious operation for cancer of the stomach, the results of which finally caused his death after much suffering, on Thursday, September 1. He was of affectionate disposition, passionately devoted to his family and possessed of manly qualities which endeared him to a wide circle of friends in a marked degree. He was a great lover of flowers and horticulture. His artistic and attractive house and grounds at Irvington show his knowledge and affection for decorative landscape work. The home in which he was forced to leave his wife and little girl is, indeed, lovely. He was a member of the Society of American Florists, New York Florists' Club and other horticultural bodies.

The funeral took place at Irvington, N. Y., on Saturday afternoon, Sept. 3.

Brookfield, Mo.—The Jones Greenhouses succeed the Gertrude Jones Greenhouse management, Mrs. Gertrude Jones Ryan having gone to Pennsylvania.



VOLUME
1
NUMBER
8

BODDINGTON'S STORE NEWS
SATURDAY, AUGUST 20th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK



A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

ROSES

A SPECIALTY
The Dingee & Conard Co. West Grove PA.

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants
MARKET and 49th STREETS., PHILADELPHIA, PA.

In ordering goods please add "I saw it in HORTICULTURE."

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES PLANTS
BAMBOO STAKES

Stuart Low & Co., Bush Hill Park Middlesex, near London England

ORCHIDS FOR WINTER AND SPRING FLOWERING
 Brasso-Cattleyas and Brasso-Laelias, Hybrid-Cattleyas and Laello-Cattleyas, Dendrobium by the 1000; Cattleya Lablata and Mennellia by the 1000; Cyrtopodium a Most Up-to-date Collection. Odontoglossum by the 1000; Odontiodas, most charming hybrids; Oncidium Varicosum by the 1000; Oncidium Marshallianum.
Full Catalogue on Application

LILIUM HARRISII

We offer selected stock of the original true Harrisii for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

NARCISSUS PAPER WHITE GRANDIFLORA. 14 c/m bulbs, 1,000 to the case, \$1.25 per 100, \$11.00 per 1,000.

WHITE ITALIAN HYACINTHS. 12 to 15 c/m bulbs, 1,150 to the case, \$2.50 per 100, \$22.00 per 1,000.

WHITE ROMAN HYACINTHS. 12 to 15 c/m bulbs, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, \$0.75 per 100, \$6.00 per 1,000.

FREESIAs, FRENCH-GROWN. Bulbs 1/2-inch and up in diameter, \$1.00 per 100, \$8.00 per 1,000.

F. R. PIERSON CO. Tarrytown-on-Hudson NEW YORK

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of **NEPHROLEPIS**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2 1/4-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2 1/4-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

NEW PLANT FOR H. A. DREER, INC., AT RIVERTON, N. J.

H. A. Dreer, Inc., are about to begin the erection of an entire separate greenhouse plant at Riverton, N. J., on a location some distance from their present greenhouses; the plant being designed to eventually cover a very large area. The plant will be built in blocks; the first block to be erected this season. The first block will be built with a service building in the center; the service building being 34 feet wide and 203 feet long. On each side of the service building will be one lean-to 203 feet long and from each lean-to, will be built a range of ten greenhouses, each 21 feet 9 inches wide and 203 feet long, making a total of twenty greenhouses and two lean-tos. A cross passageway will be run through the whole block of greenhouses from side to side, this passageway being three feet wide and there being 100 feet of greenhouse on each side of the passageway. The service building will be of iron frame construction and practically fireproof and the roof will be built with a clear span so that the interior will be free of posts. Ten of the greenhouses will be open under the gutters and will not be provided with benches. These ten greenhouses will be run at a low temperature. The other ten greenhouses will be divided by glass partitions under the gutters and will have three benches in each house. These houses will be run at a temperature of 60 to 65 degrees. For the heating plant a fireproof iron frame and concrete boiler house will be erected. There will be four 75 h. p. boilers for heating; these boilers being of the ordinary tubular power type. There is also to be one boiler for steam power. The boilers will burn a low grade of coal and to enable this to be done, a system of forced draft is to be installed. The heating will be by hot water using 2

inch pipes for the radiating surface; the boilers will be set on the level and the water will be circulated through the houses with centrifugal pumps. The pumping plant will be in duplicate so that in case of damage to one plant, the other will be ready for operation.

This is probably the largest piece of construction work undertaken this season and is claimed to be the largest greenhouse building contract which has been let out complete by any commercial florist in this country. The cost of the buildings and equipment will be about \$70,000. Contract for the complete work has been awarded to the King Construction Company.

OBSERVATIONS BY LEUTHY.

Antoine Leuthy, of Roslindale, Mass., has returned from his customary European trip and has some interesting things to say concerning conditions as he found them over there this year. He says that he found azaleas decidedly scarce in Belgium and the prices are highest on record. In establishments where a man had not been a regular customer they were unwilling to accept an order from him. Last year there was a big freeze in Germany which destroyed large quantities of azaleas and the result was that Belgium was called upon and the two-year-old plants were pretty thoroughly cleaned out. This will account in part for the present scarcity, but the fact is that the demand has been increasing tremendously from all parts of the world, Russia being by far the largest consumer of Belgian azaleas.

Ghent, which is the great market of the world for azaleas, araucarias, tuberous begonias, palms, etc., holds a monopoly which cannot be disturbed for many years. Labor is cheap and even with a 25 per cent. duty it would be impracticable for America to become a serious competitor. There are in Ghent and vicinity over 900 horti-

cultural establishments with from ten to two hundred greenhouses each.

Mr. Leuthy met in his travels a number of American horticulturists, including Mr. Strohlein, of Dreer's; Mr. Brown, of Cottage Gardens Co.; Mr. Bobbink, of Bobbink & Atkins, and Mr. McKenzie, of John Scott.

Waverley, Mass.—The R. E. Lassman Greenhouses have been purchased by W. P. Collins, who will make improvements and grow a general line of plants and cut flowers.

Two of My Specialties

FOR FALL DELIVERY

Pinus resinosa

	100	1000
8-12 inch transplants,	\$20.00	\$180.00

Berberis Thunbergii

15-18 ins., extremely bushy,	8.00	75.00
18-24 " " "	12.00	90.00
24-30 " " "	15.00	120.00

These plants are strong, healthy, shapely, well-rooted and in every respect first grade specimens.

DANIEL A. CLARKE

Red Oak Nurseries

FISKEVILLE, - - R. I.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa, Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2 1/4 inch \$30.00 per 1000.
WHITMANI, 2 1/4 inch \$5.00 per 100, \$40.00 per 1000; 2 1/2 inch \$10.00 per 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SONS

Whitman, Mass.

DREER'S

Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of Summer flowering plants, and we are prepared to furnish many of the rarer as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are still strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

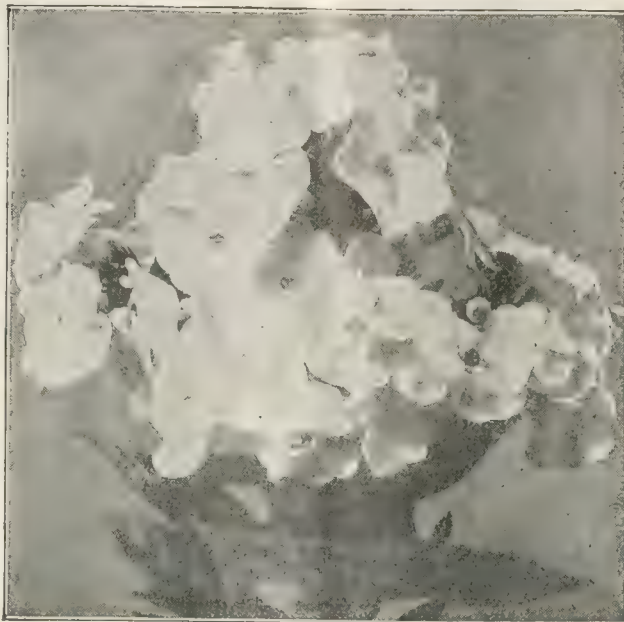
We would particularly call attention to the following **Three New Varieties** as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice.

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flower, of dwarf habit.

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

Price: Any of the above three new varieties \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglae Adanson (Medium). Immense flowers, snow-white, with red eye.

Antonia Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine rose, with darker eye.

Colibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d'Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf, pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large, white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate pale, rose mauve, with claret-red eye.

George A. Strohelein (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.

General von Heutz (Medium). Scarlet, with rose shadings and crimson red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.

H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.

Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.

Henry Marcel (Medium). Pure red, with very bright salmon shading.

Henry Royer (Medium). Tyrian rose, with lighter shadings; large flower, dwarf.

Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.

Jeanne d'Arc (Tall). A good standard late white.

Louis Blanc (Tall). Reddish-violet, with pure white shadings and darker eye.

La Vague (Medium). Pure mauve, with aniline-red eye.

Le Mahdi (Tall). Deep reddish violet, with darker eye.

La Foudre (Tall). Rich glowing French purple, shading crimson.

Louise Abbema (Dwarf). Very large dwarf, pure white, of fine form.

Le Prophete (Dwarf). Bright violet-rose, large light halo and bright rose eye; fine.

Mme. Paul Dutrie (Tall). A delicate lilac rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large and borne in panicles of immense size.

Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins (Tall). The best tall early white for massing.

Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.

Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet.

Pantheon (Tall). Bright carmine rose.

Pecher d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.

Prosper Henri (Dwarf). Pure white, with large decided eye of rosy magenta.

Pacha (Dwarf). Deep rose pink, suffused with solferino-red and carmine-purple eye.

R. F. Struthers (Tall). Rosy carmine, with claret-red eye; fine.

Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.

Selma (Tall). Large flower, pale rose mauve, with claret-red eye.

Siebold (Tall). Bright vermilion-red, overlaid with orange scarlet; crimson-red eye.

Sarabande (Medium). Reddish-violet, with lighter shadings.

Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.

Von Hochberg (Tall). The ideal crimson Phlox, the richest of its color.

Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.

Von Lassburg (Medium). The purest white in cultivation, individual flowers larger than any other white.

Price: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

WRITE FOR SPECIAL PRICES ON LARGE QUANTITIES

For a complete list of seasonable stock, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER Inc., 714 Chestnut St., Philadelphia, Pa.

Seed Trade

The Burpee Establishment.

The new additions to the Burpee establishment at Fifth and York streets, Philadelphia, are not yet completed, but are far enough advanced to give a good idea of what it is to be. The new buildings are a flatiron, fronting on a little city park, with light and plenty of air from all sides. There will be dining rooms for the help—one for the men and another for the women (there are about 500 in all in the busy season)—and everything supplied will be of the best and at cost or less; with every accessory and convenience, all the latest periodicals and magazines on horticultural and kindred subjects, even down to a little "cubby" on the main floor where the men may indulge in a game of cards, if so disposed, during the noon hour. Later we shall have more to say about this new departure, the details of which have all been lovingly originated by Mr. Burpee, assisted by Howard Earl and others of his able lieutenants.

G. C. W.

Crop Report from Hartmann & Co., Copenhagen.

Cauliflower—Outlook very encouraging as well for quality and quantity.

Cabbage—Crop short on account of early frosts last fall before planting time, through which many heads were injured and through attack of insects during the summer. However, the very favorable weather during the spring and summer—contrary to reports from other seed sections—has somewhat modified the bad condition, but, nevertheless, a shortage of 25 per cent. is expected in Danish Ballhead tall-stemmed, and even more in the Danish Roundhead short-stemmed and Danish Summer Ballhead.

Turnips and Swedes—Crop excellent.
Mangold—Crop about medium.

Notes.

Greenville, Va.—The Carolina Seed and Fuel Co. has been incorporated here with a capital stock of \$50,000.

Reeseville, Wis.—A two-story pea warehouse, 40x150 feet, is being built by the W. W. Barnard Co. of Chicago, Ill.

Petersburg, Va.—The warehouse of the Grossman Seed & Supply Co. was damaged by fire recently to the extent of about \$1,000, fully covered by insurance. The stock of seeds, implements, fencing, etc., was more damaged by smoke and water than by fire.

Santa Clara, Cal.—The C. C. Morse Seed Co. has contracted for the erection of a number of buildings on their recently purchased tract of land, among which is a seed house 60x150 feet and a warehouse 40x100 feet. The cost of all these buildings and improvements will be in the neighborhood of \$40,000.

Maurice Fuld, late of the W. W. Rawson Co., Boston, has taken a position with the Henry F. Michell Co., Philadelphia, and, we understand, will have a prominent part in their catalogue work. The Michell Company, it is said, have it in mind to extend their mail order trade as a branch in their big business to which they have not

heretofore paid special attention. Mr. Fuld has had considerable experience in that line.

H. L. Holmes, Mrs. Holmes and Miss Holmes, from Harrisburg to West Chester by auto., passed through this city on the 6th inst. Miss Holmes will graduate from the Normal school at West Chester next year. Incidentally they paid a visit to their old friend in West Philadelphia, Mrs. Henzey (nee Clara Harris) renewing and cementing schoolfellow bonds. Mr. Holmes is hopeful of next season's business and states that he has nearly fifty per cent more futures already booked than his firm had at this time last year.

A. J. Pieters, senior member of the Pieters-Wheeler Seed Company of Hollister, left yesterday for Ann Arbor, Michigan, where he will fill the chair of botany in the University of Michigan. Mr. Pieters has been connected with the seed growing industry in this country for the past several years and is thoroughly versed in all its branches. Mr. Pieters has given up the greater part of his interest in the business, but still retains an interest in the industry here.—*San Jose Mercury, Aug. 28, 1910.*

AN ASTER PRIZE CONTEST.

The annual prize contest conducted by Thornton Brothers, which is always an event of considerable local prominence in Lawrence, Mass., came off at the Thornton store on Saturday, August 27. This year the competition was on asters, the seed for which had been purchased of Messrs. Thornton last spring. The display of vases of 25 blooms was very fine, the number of entries being large, and the flowers in many of them the equal of the best productions of professional growers. No better recommendation for the quality of the seed furnished could possibly be given to any seed house than was here set forth, and Messrs. Thornton are to be congratulated on the high standard of excellence they are fostering in the big mill town. The judges were William J. Stewart, of HORTICULTURE, and P. J. Donohue, of Waban Rose Conservatories. The prizes were handsome silver loving cups and the winners were Stewart Frazer, first; John Peel, second (both of North Andover); third, J. Lynch (Andover). The judges were royally entertained at the Thornton farm in Methuen.

INCORPORATED.

Muskogee, Okla.—The Muskogee Wholesale Nursery Co., capital stock \$200,000. Incorporators, C. H. Holland, H. P. Showalter, H. H. Fleming and Leo Bennett.

The Brockton Enterprise tells about a man in its home town, an attorney, who makes a hobby of aster growing and proudly boasts of having 60 varieties. He allows that the aster is "badly in need of a good press agent." So far the gentleman is on safe ground, but when he goes on to tell of what he has learned in advance of most other people, for instance, that he plants the seeds in the fall instead of in spring as is customary with his benighted neighbors, we begin to prick up our ears and wonder what he'd do with a press agent.

CYCLAMEN SEED

MICHELL GIANT STRAIN
Grown for us in England by a leading specialist and cannot be excelled for size and brilliancy of coloring.

	100 Seeds	1000 Seeds
Duke of Connaught.		
Crimson	\$1.25	\$10.00
Excelsior. White with red eye	1.25	10.00
Grandiflora alba.		
Pure white	1.25	10.00
Princess of Wales.		
Deep pink	1.25	10.00
Salmon Queen. Salmon rose	1.25	10.00
Mixed. All colors ..	1.00	9.00

REGULAR GIGANTEUM STRAIN		
Giganteum Album.		
White	\$0.75	\$6.00
Giganteum Roseum.		
Pink .....	.75	6.00
Giganteum Rubrum.		
Red .....	.75	6.00
Giganteum White		
With Red Eye....	.75	6.00
Giganteum Mixed...	.60	5.00

Henry F. Michell & Co.,

1018 & 518 Market St., Philadelphia, Pa.

CATALOGUES RECEIVED.

Weeber & Don, New York, N. Y.—Catalogue of Bulbs, Roots, Seeds. Autumn, 1910. Well illustrated.

Jacs. Smits & Co., Naarden, Holland.—Wholesale Catalogue of Hardy Nursery Stock (American Edition). A very complete list of trees, shrubs, roots, herbaceous plants, evergreens, etc.

W. W. Barnard Company, Chicago, Ill.—List of Forcing Bulbs, Lilies, etc. This list quotes special import prices. "Lower than before, but just as good as ever," and we advise our readers to send for a copy at once.

H. F. Michell Co., Philadelphia, Pa.—Wholesale Price List of Bulbs, Seeds, Sundries for Fall Trade. Handsomely illustrated. The title page shows a house of Liliun formosum grown from bulbs supplied by Michell.

Stumpp & Walter Co., New York, N. Y.—List of Bulbs for Autumnal Planting, 1910. Tulips on front cover and narcissi naturalized on back cover attractively introduces the reader to this well arranged catalogue.

Cherry Hill Nurseries, T. C. Thurlow's Sons, Inc., Proprietors. West Newbury, Mass.—Descriptive Price List of Peonies, Iris and Phlox. Messrs. Thurlow carry an ideal stock and this catalogue will be found very useful.

A correspondent of the Horticultural Trade Advertiser of London, in an account of the great Shrewsbury Show, says that the numerous hybrids from *Gladiolus Primulinus* were very striking and "it is evident that this species is going to cause much commotion in the *Gladiolus* breeding world."

JAPAN LILY BULBS RUINED BY FLOODS.

Owing to recent floods in the bulb districts in Japan growers are predicting a large shortage in Giganteum and Multiflorum bulbs this fall. According to the Japan mail, August 15, 1910, in the Saitama district (where Giganteum are grown) there were 70 persons killed, 277 are missing, 759 houses collapsed and 41,261 were submerged. In the Gumma district (Multiflorum and Giganteum) there were 163 persons killed, 50 injured, 22 missing; 5 houses destroyed, 33 washed away, 26,372 submerged, etc. Other districts have been affected in a similar way. Mr. Seitaro Arai writes Aug. 15th, that the lily fields are still covered with water and that thousands and thousands of bulbs have been annihilated in the fields. The damage to bulbs is still unknown, but will undoubtedly be very heavy. The storms were very severe, causing landslides everywhere, with much damage to crops of all kinds.

FREESIAS

	100	1000
Selected,	\$.75	\$6.50
Mammoth,	1.25	9.00

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade pk't. 50c; 1/2-oz. \$1.50; 1-oz. \$5.00

1215 Betz Bldg.,
SKIDELSKY & IRWIN CO., PHILADELPHIA, PA

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived. (especially selected quality).

CARL R. GLOCKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE SEEDS FOR THE FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY



LEONARD SEED CO.

PRODUCERS AND

WHOLESALE
MERCHANTS

WHITE PEARL ONION SETS

NOW READY

LOWEST PRICES ON APPLICATION

Largest Growers of Peas, Beans and Garden Seed. Headquarters

228-230

W. KINZIE STREET

CHICAGO

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson,	Giant Pink
Giant White	Giant Blood Red
Giant Excelsior	White with claret base
Picturatum	Pink with claret base
	Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 and 7 So. Market St., BOSTON, MASS.

FALL BULB CATALOGUE

If you have not received a copy send for it.

James Vick's Sons

ROCHESTER, - N. Y.

FRENCH AND DUTCH BULBS

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

Forget-Me-Not, Victoria for pots,	Oz.	Tr. Pkt.
Mignonette, Zangen's Triumph,	\$2.50	\$5.00
Pansies Special Florists' Mixture,	3.00	5.00
Stocks, Princess Alice, pure white,	4.00	5.00
Beauty of Nice, Carmine, Daybreak,	4.00	5.00
Rosy Lilac, Snow White, each separate,	5.00	5.00

O. V. ZANGEN Seedsmen - Hoboken N. J.

ESTABLISHED 1820

Thorburn's Bulbs

LILIUM HARRISII

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11

At Popular Prices

Roman Hyacinths, Paper White Narcissus, Dutch Bulbs, Cyclamen Giganteum seed, new crop now ready.

Inquiries Solicited

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

Seeds and Bulbs

Send for Special Price List

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Mention Horticulture when you write

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

VEGETABLE PLANTS

CABBAGE—All Head Succ. Per 100 Per 1000
cession, Second Early, Early Summer, Flat Dutch, Surehead
Danish Round and Ball Head 20c. \$1.00
10,000 and over, 85cts. per 1,000

CELERY—White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market 20c. 1.00
10,000 and over 85cts. per 1,000

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.

White Marsh, Md.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

New York, N. Y.—Drakos has moved
to 2023 Broadway from 2033.

Pittsburgh, Pa.—It is reported that
the Pittsburgh Cut Flower Co. will
move to 121 Seventh street.

Sioux Falls, S. D.—Joseph Tossini
has moved from 215 South Phillips
avenue to 202 North Phillips avenue.

Detroit, Mich.—R. O. Koehler has
given up his greenhouse and will here-
after only conduct his store at 623
Gratiot avenue.

New Orleans, La.—Mrs. Carrie
Rehm intends to give up her Canal
street store and confine her business
to the Napoleon avenue store.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..Sept. 16

Atlantic Transport.

Minneapolis, N. Y.-London..Sept. 10

Minnetonka, N. Y.-London..Sept. 17

Cunard.

Campania, N. Y.-Liverpool..Sept. 14

Carmania, N. Y.-Liverpool..Sept. 17

Saxonia, Boston-Liverpool...Sept. 13

French.

La Savole, N. Y.-Havre....Sept. 15

Hamburg American.

Cleveland, N. Y.-Hamburg..Sept. 10

Deutschland, N. Y.-Ham'g..Sept. 14

Pres. Lincoln, N. Y.-Ham'g..Sept. 14

Amerika, N. Y.-Hamburg....Sept. 17

Holland-America.

Rotterdam, N. Y.-Rotterdam..Sept. 13

Ryndam, N. Y.-Rotterdam...Sept. 20

Leyland.

Devonian, Boston-Liverpool..Sept. 14

North German Lloyd.

K. W. der Grosse, N. Y.-B'm..Sept. 13

Barbarossa, N. Y.-Bremen..Sept. 15

G. Wash'g'n, N. Y.-Bremen..Sept. 17

K'p'z'n Cecille, N. Y.-B'm'a..Sept. 20

Konig Albert, N. Y.-Medit'n..Sept. 10

Red Star.

Lapland, N. Y.-Antwerp...Sept. 10

Kroonland, N. Y.-Antwerp...Sept. 17

White Star.

Canopic, Boston-Medit'r'n...Sept. 14

Celtic, N. Y.-Liverpool.....Sept. 10

Cedric, N. Y.-Liverpool.....Sept. 17

Majestic, N. Y.-S'hampton..Sept. 14

New Haven, Conn.—Through smoke
from a fire in an adjoining establish-
ment, Wm. McCrea suffered a loss
which he estimates at about \$200.

Fargo, N. D.—F. S. Madden, formerly
with A. Washburn & Sons, Bloom-
ington, Ill., took charge of the design-
ing and decorating for Smedley & Co.
on Sept. 1.

Brockton, Mass.—Mrs. Lizzie Reed,
proprietor of the Reed Flower Store,
has given up her present store and
will remove next Monday to a larger
store in the Daniel S. block on Main
street.

Hollywood Gardens, florists and dec-
orators, announce the opening of their
new shop on Thursday, September 1st,
1910, at 1534 Second avenue, Seattle,
Wash. W. R. Gibson is manager. The
announcements which have been sent
out are elegantly gotten up.

NEW FLOWER STORES.

Fall River, Mass.—J. & C. Cross.

Detroit, Mich.—John Kline, Forest
avenue and Chene street.

Seattle, Wash.—Hollywood Gardens,
Second avenue and Pine street.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardespor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

WE OPEN THE SEASON with the finest stock of Florists' Supplies ever offered. The goods are all fresh and up to date and the novelties have selling merit.

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILADELPHIA, PA.

CHICAGO NOTES.

Trade News.

At the Florists' Club meeting last week there was little business of importance transacted. Several names were proposed for membership.

The flower store recently opened on 63rd St., near Normal, by Ben Jesselson is getting a nice start. Mr. Jesselson has in charge Harry Conn who has been with Geo. Walther.

Chas. McKellar last week received the first shipment of the season of *Cattleya labiata*. Mr. McKellar was the pioneer in the handling of cattleyas in Chicago.

A meeting of all interested in forming a new bowling club was called for Sept. 6 at J. B. Deamud's. The cards were sent out by Frank Pasternick and an enthusiastic crowd is expected.

A. A. Sawyer of River Forest who has been very successful, this rather unfavorable year, with his asters, attributes his success to special care in the way of disbudding, watering, etc. He has a pipe leading out with his beds to which a hose and sprayer can be attached. His daughter is proprietor of the Pansy Flower Store on West Madison St.

Frank Oechslein is breaking ground for an extensive addition to his already large packing shed. The new part will be 30 x 100 ft. and will be needed to handle his increasing business. Mr. Oechslein thinks the dry summer has not injured his chrysanthemums, which he grows for pot plants only. Poinsetias have also sum-

mered well and it takes from twelve to fifteen thousand to fill the pans required for a single season.

Personal.

A. E. Marine of Pehrson & Marine, spent two weeks visiting friends in Ohio.

Miss Signe Anderson of Kyle & Forster's office is back from a two weeks trip to Michigan.

Mrs. J. Simpson has returned from three weeks in Nebraska. Mrs. Simpson is one of Chicago's live business women.

E. E. Pieser of Kennicott Bros. is in Canada where he will remain till the end of September.

Frank Ayers of McKellar's is having his annual outing camping near Worthington, Canada. He will be away five weeks.

Mike Fink of Kennicott's has returned from a trip to New York which was given him in appreciation of his good work for the firm for many years.

Frank Beu now has with him Mr. Jacoby, well known in Chicago, and the combination of two such growers ought to show results in the way of plants and flowers that will please the most fastidious buyers.

The marriage of Miss Lilian Bloom and Wm. Feninger of Toledo, O., took place on Wednesday, Sept. 7th, at the home of the bride, 814 W. 33rd St., Chicago. Mrs. Feninger was for four years in the office of Bassett & Washburn and Mr. Feninger is a well-known florist of Toledo, O.

J. Zeck and son Allie who so narrowly escaped serious injury if not death from an automobile in the down town district last week are still feeling the effects of the shock. Mr. Zeck says his good fortune in falling so as to be nearly out of the path of the machine undoubtedly saved his life. Both Mr. Zeck and Allie were laid up the entire week and it will be a long time before Mr. Zeck's foot will be entirely well.

Visitors: Frank Friedley, Cleveland, O.; Mr. and Mrs. H. S. Cushman, Houston, Tex.; J. J. Karins of H. A. Dreer's, Phila. (Mr. Karins says florists are buying heavily which indicates a good season coming); Chas. A. Johnson, Chillicothe Floral Co., Chillicothe, O.; Mr. and Mrs. Dettman, Milwaukee, Wis.; Carl Hirsch, Hillsdale, Mich.; Wm. Feninger, Toledo, O.

Edwardsville, Ill.—J. F. Ammann will open a flower store in the Wildey Theatre Building as soon as the fixtures can be placed.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Hehl.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

The fall stock of decorative plants at the Waverley establishment of W. W. Edgar Co., is of unexcelled quality and this is easily one of the most pleasing show places about Boston. Ferns, Lorraines, genistas and a host of other specialties are very handsome and an object lesson in clean culture. Golden Glow chrysanthemum is coming along slowly and will not bloom here so early as it did last year.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England postage

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

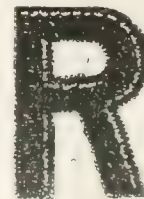
Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

DAHLIAS: \$1.50 to \$3.00 per 100.

Our Supply of Dahlias will be better this year than ever.

ASTERS: \$1.00-\$2.00 per 100.

All sizes and colors. The choicest stock offered in this section.

VALLEY: \$3.00-\$4.00 per 100.

Excellent Stock.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

PLANT AUCTION

The Opening Sale of the season will be held at 9:30 a. m., Tuesday, Sept. 13. If you want Carnations, Boston Ferns and other stock for growing on, come in and bid.

N. F. McCarthy & Co.

84 Hawley Street, Boston

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

335-37 Randolph St., CHICAGO

CUT FLOWERS

Freshly packed, Market prices, Ill.

Look through the Buyers' Directory
and Ready Reference Guide. You
will find some good offers there also.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 6	TWIN CITIES Sept. 6	PHILA. Sept. 6	BOSTON Sept. 8
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	28.00 to 35.00	20.00 to 25.00	15.00 to 25.00
Extra.....	20.00 to 25.00	20.00 to 28.00	12.50 to 15.00	10.00 to 15.00
No. 1.....	10.00 to 20.00	10.00 to 20.00	6.00 to 8.00	6.00 to 8.00
Lower grades.....	5.00 to 10.00	5.00 to 10.00	3.00 to 5.00	1.00 to 3.00
Bride, 'Maid, Chateaux, F. & S.....	5.00 to 6.00	4.00 to 7.00	5.00 to 6.00	2.00 to 5.00
Lower grades.....	2.00 to 3.00	2.00 to 4.00	2.00 to 3.00	.50 to 1.00
Killarney, Richmond, Fan. & Sp.....	8.00 to 10.00	6.00 to 10.00	6.00 to 8.00	3.00 to 8.00
Lower grades.....	3.00 to 4.00	4.00 to 6.00	2.00 to 5.00	.50 to 1.00
Kaiserin, Maryland, Fan. and Sp.....	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00	3.00 to 8.00
Lower grades.....	3.00 to 5.00	4.00 to 6.00	2.00 to 3.00	.50 to 1.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	1.50 to 2.00	2.00 to 3.00	2.00 to 2.50	1.50 to 3.00
	.50 to 1.00	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	10.00 to 50.00	30.00 to 60.00	60.00 to 75.00	45.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.00	10.00 to 12.50	1.00 to 12.50	6.00 to 10.00
" Speciosum.....	..... to .....	..... to	1.00 to 2.00	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 4.00
Asters.....	1.00 to 4.00	2.00 to 4.00	1.00 to 2.00	.35 to 1.50
Daisies.....	.50 to .75	.75 to 1.25	..... to .....	.25 to .50
Snappedragon.....	..... to .....	..... to .....	..... to	1.00 to
Gladioli.....	2.00 to 6.00	3.00 to 7.00	2.00 to 4.00	1.00 to 4.00
Sweet Peas.....	..... to .....	..... to .....	..... to .50	.10 to .25
Gardenias.....	..... to .....	..... to	20.00 to 25.00	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax.....	10.00 to 12.00	12.50 to 15.00	12.50 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100).....	50.00 to 75.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE.

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers
Bring in Your Orders. Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing
to Advertisers please mention HORTICULTURE

Flower Market Reports.

BOSTON Business in this section is about normal for September. Seaside and mountain demand has in due course fallen off and local activity is still light, as usual at this season. In roses there is a fair demand for Carnot, Killarney, Richmond and Maryland in order of precedence as named. Beauties of medium grade sell best, the extra quality stock moving slowly. The market is heavily stocked with asters in all varieties and grades, also gladioli. Lily of the valley moves well considering the date, and lilies, although abundant, are being placed regularly at reasonable figures. Sweet peas are practically ended for the season. There are a few Golden Glow chrysanthemums in evidence, but not enough, so far, to be worth mentioning.

CHICAGO August has closed leaving a very good impression upon the minds of most of the wholesalers. Those whose experience is otherwise will work harder to build up a shipping trade, for upon this were the returns of the summer months largely based. The quality of the summer flowers has been good, barring the peonies, though fancy stock of almost any kind is counted as out of the question. Asters have come through the drouth according to the care they have had and the market is full of them, all kinds, all qualities and all prices. Carnations are seen that make one think winter must be near, but for the short stems, twelve inches representing about the limit. Among roses, red ones are the scarcest and for this color the demand is also lightest. Especially good are the white Killarneys and Kaiserin has been of very fair quality. Gladioli go very slowly and there are quantities of them. Ferns are of fine quality and bring \$1.00 to \$1.25 per 1000. Smilax is in good demand but the call for asparagus is light.

Most of the wholesale places closed at noon on Labor Day, but the amount of business done was equal to a full day even during a busy season. Wholesalers generally report August sales as very satisfactory, though they acknowledge it to be owing to an unusually good shipping trade and not to local demand.

CINCINNATI Business has been fairly good the past week. Asters are decidedly poor and many are simply unsaleable at a time that the demand for good asters cannot be wholly satisfied. In the line of roses, Beauties are the most abundant, and the price low, considering the quality which is excellent. The supply of other roses is steadily increasing and improving in quality. The better grades sell well, but the short-stemmed ones more slowly. Gladioli have lost their superior quality, most of those received showing the approach of the end of the season. Carnations from outdoor stock are received, and some of the growers are already cutting their first crop from indoors. The latter are still short in stem, but they suffice for funeral work. Longiflorum lilies were in short supply as practically all of the houses which have been making a specialty of



TAPE SPECIAL

A big purchase from our manufacturer enables us to make the following low price offer. The stock is our usual high grade quality and is absolutely all right in every way.

Florists' Tying Tape [1^{Spools of} 1000 Yards] \$1.75 per Spool
Colors: White, Blue, Lavender, Red and Green

This elegant tape costs but little more than thread and adds elegance and distinction to every box of flowers sent out.

Florists' Thread, 75c. per lb. 3 lb. Box, \$2.10

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of
1608-20 Ludlow Street, - - - Philadelphia, Pa.
 1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 6		DETROIT Sept. 6		BUFFALO Sept. 6		PITTSBURGH Sept. 6	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 30.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" Extra	10.00	to 20.00	16.00	to 20.00	10.00	to 12.00	10.00	to 12.50
" No. 1	8.00	to 10.00	10.00	to 16.00	6.00	to 10.00	6.00	to 8.00
" Lower grades	4.00	to 6.00	3.00	to 8.00	3.00	to 4.00	.....	to 4.00
Bride, 'Maid, Chateaux, F. & S.	2.00	to 4.00	6.00	to 8.00	4.00	to 7.00	6.00	to 8.00
" Low gr.	1.00	to 3.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.	2.00	to 4.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" Lower grades	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Maryland, Fan. and Sp.	2.00	to 4.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" Lower grades	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy								
" Ordinary .....	.50	to 1.00	.....	to ..	1.00	to 1.50	.....	to 2.00
" .....	.....	to .....	.50	to 1.00	.75	to 1.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum	6.00	to 10.00	.....	to	8.00	to 10.00	6.00	to 8.00
" Speciosum	2.00	to 4.00	12.50	to 15.00	3.00	to 4.00	.....	to
Lily of the Valley .....	.....	to 4.00	3.00	to 4.00	.....	to	2.00	to 4.00
Asters .....	.50	to 3.00	1.00	to 4.00	.40	to 2.00	.50	to 2.50
Daisies .....	.....	to .....	.....	to .....	.....	to .....	.....	to 1.00
Snapdragon	1.00	to 4.00	.50	to 1.00	.....	to .....	.....	to
Gladioli .....	.50	to 2.00	2.00	to 6.00	2.00	to 4.00	.....	to
Sweet Peas .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 2.00	1.00	to 1.50	.50	to 1.00	1.00	to 1.25
Smilax	10.00	to 15.00	15.00	to 20.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100) ..	25.00	to 35.00	20.00	to 35.00	.....	to	30.00	to 50.00
" " & Spreng. (200 bchs.) ..	15.00	to 25.00	20.00	to 35.00	.....	to	30.00	to 50.00

summer lilies were out of stock at the same time and a small demand served to make everyone hustle to find the necessary stock. Green goods are abundant with a moderate demand. Monday, Labor Day, business opened up very brisk and there was considerable out-of-town demand and about half of the wholesale houses were compelled to keep open all day.

PHILADELPHIA The only striking change from last week's report is the advent of the dahlia. There is no marked increase or decrease in activity. Everything remains sluggish. The dahlia advent has made no difference. Tuberoses are now coming in freely and are selling fairly well. American Beauty roses show an ascending quality as the days go by, and are the most sought after item for

choice work. These, and Maryland, Kaiserin and Killarney, are about all that's worth speaking about in the rose line. Nothing doing in carnations. Asters are still fine but have suffered recently from too much rain. There is a fairly good call for the lighter shades of gladioli—such as America and Augusta. The darker colors hang fire. Tritomas are seen in abundance, but the sales are few and far between. These are not wanted so early in the season. When the oak leaves begin to color—that's the time for tritomas. Cosmos plentiful and goes mostly to the street men—at any small figure they feel like offering for a cartload. Orchids are coming a little better but are still held at a high figure. Gardenias are improving and there is some call for

(Reports continued on page 386)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463

**Greater New York
Florists' Association,**
Inc.

Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawback Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
Ready to talk over prospective cut, market, etc.,
with growers of good materials.
Call or Write Now
55 & 57 W. 26th St., New York Tel. 3864
Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and taking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 3868-3816
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 3 1910		First Half of Week beginning Sept. 5 1910	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Hald, Chateaux, Fancy and Special.....	2.00	to 3.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 3.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.75	to 1.00	.75	to 1.00

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 / 5893 / Mad. Sq. 113 W. 28 St., New York.

George B. Hart
WHOLESALE
FLORIST
24 Stone St., Rochester, N.Y.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Lat-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply House

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

Flower Market Reports

(Continued from page 385)

them. Yellow chrysanthemums in limited quantity have appeared, but they are too early. No demand. There's the usual staple call for swainsona, alyssum and other small whites for design work. Lily of the valley good and plenty, but sluggish.

The sluggishness NEW YORK which long experience has taught us to expect in September of each year is unmistakable in the wholesale flower market district and extends of course all through the retail trade in every direction. Fine weather only makes the situation more awkward as it increases the product and decreases the demand of the public for store flowers while there is such a wealth of beauty outside. The supply of roses is noticeably growing heavier daily and the quality of the stock, where growers take proper care of it, is improving in a like ratio. Mildew is seen on some lots as is always the case when cool, foggy nights begin; but the flowers from careful growers show that mildew is easily avoidable. Gladioli are slacking up both in quantity and quality. Asters are still the big factor and are seen in needless variety of color and grade with prices averaging low except on specially selected blooms in small lots. Lilies and lily of the valley continue plentiful. Orchids are scarce still, but no importunate call is in evidence and heavier receipts would be no improvement under present conditions. Dahlias are seen in more or less abundance, but do not seem to have much popularity and sales are hardly worth mentioning.

BOSTON MARKET PREMIUMS.

The annual sale of stalls in the two flower markets of Boston is always an event of much interest and in a way marks not only the opening of the fall season but the spirit and confidence of the trade in the outlook. This year the sales were a week apart, the original market now known as the Boston Flower Exchange, Inc., selling on August 27 and the Boston Co-operative Flower Market following one week later. The hammer was gracefully wielded at the former by James T. Carroll and at the latter W. W. Taibly officiated with persuasive logic. Big crowds attended both entertainments and, judging from the activity manifested, the coming season for Boston market dealers casts no shadows before but carries rainbow hues of brilliant glow. The premiums paid for choice of stalls at the Boston Flower Exchange overreached \$7,000, many sales being made at from \$100 up to \$130, which was the top. These were the highest on record. At the Co-operative Market the result was equally pleasing to all concerned, the sale being the most successful since its inception; 112 stalls out of a total of 121 were disposed of, the top price for choice being \$125.

The first plant auction sale for the season in Boston, will take place at McCarthy's auction rooms, 84 Hawley street, on Tuesday, Sept. 13, at 9:30 a. m.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 3 1910		First Half of Week beginning Sept. 5 1910	
Cattleyas.....	30.00	to 60.00	30.00	to 60.00
Lilies, Longiflorum.....	4.00	to 5.00	5.00	to 6.00
" Speciosum.....	1.00	to 2.00	1.00	to 2.00
Lily of the Valley.....	1.00	to 3.00	2.00	to 3.00
Asters.....	.20	to 2.00	.20	to 2.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.75	to 1.50	.75	to 1.50
Sweet Peas (per 100 bchs).....	15.00	to 25.00	25.00	to 35.00
Gardenias.....	.50	to .75	.50	to .75
Adiantum.....	6.00	to 8.00	6.00	to 8.00
Smilax.....	.....	to 35.00	.....	to 35.00
Asparagus Plumosus, strings.....	10.00	to 15.00	10.00	to 20.00
" " & Spreng. (100 bchs).....	.....	.....	.....	.....

PERSONAL.

Chaterton Warburton, Fall River, Mass., has just returned from a transatlantic trip.

We have just seen a postal card written by L. H. Fellows to an old friend in Boston, in which Mr. Fellows, who is traveling in the west, states that George Mullen, formerly a wholesale florist in Boston, is selling plants in the market at Seattle, Wash., where he has a stall. This is the first heard of Mr. Mullen by his friends in Boston for many years.

Einar Knutsson has arrived by S. S. C. F. Tietgen to look after the business in Danish-grown cauliflower and cabbage seeds for Hjalmar Hartmann & Co., of Copenhagen. He took this trip in place of Mr. Hjalmar Hartmann, who is well-known to the trade, but could not spare the time on account of the increased business to which is personal attendance is required.

Visitors in Boston: Mr. Pate, representing the International Floral Association, New York; Wm. Miller of Mt. Desert Nurseries, Bar Harbor, Me.; George B. Moulder, Chicago, Ill.; Patrick Foy, Roanoke, Va.; J. S. Butterfield, Lee's Summit, Mo.; John Gipner, Niles, Mich.; A. T. De la Mare, New York City; N. Stewart Dunlap, Montreal, P. Q., and a long list of members of The Railroad Gardening Association with their ladies.

NEWS NOTES.

Foxboro, Mass.—A new heating system is being installed in the greenhouse of N. S. Small on Garfield street.

Fort Worth, Tex.—The Falfurrias Nursery & Development Co. has increased its capital stock from \$15,000 to \$25,000.

Ainsworth, Neb.—The Brown County Nursery Co. is building a 64x64-foot warehouse, two stories in height, cement block construction.

PHILADELPHIA NOTES.

John Curwen, Jr., Berwyn, suffered a serious loss from fire recently. His boiler shed was completely gutted and the ends of the greenhouses scorched and cracked.

A. L. Jones, of Pennock-Meehan Co., has just returned from an extended vacation. He penetrated the wilds of Canada, 900 miles north of Toronto, and also took in Quebec, Halifax, Montreal and Boston.

Visitors—W. C. Langbridge, Cambridge, N. Y.; H. L. Holmes, Harrisburg, Pa.

Visitors entertained this week by M. Rice & Co. were: Jones-Russell Co., Cleveland, Ohio; Harvey Sheaf, of E. A. Williams, Pittsburgh, Pa.; H. Warendorff and Jos. Fleischman, Jr., New York City, N. Y.

CINCINNATI PERSONALS.

J. A. Peterson and family arrived home from Thousand Isles and Montreal which places they visited after attending the convention.

Miss Stella Kelley head saleslady of the L. A. Kelley Co., was married Sept. 1st, to W. H. Quirk of Omaha, Neb. The couple will make their home in Omaha.

Julius Baer has built a conservatory 16 x 60 ft., in the rear of his store at 138 E. 4th St. In one corner he contemplates building an aquarium for gold fish. He will heat with hot water and use artificial gas as fuel.

Visitors: O. C. Heberling, Georgetown, Ky.; J. T. Herdegen, Aurora, Ind.; Fretz Rupp, Lawrenceburg, Ind.

The partnership of Gretsches & Ordenez Bros., New York City, was dissolved August 1. Gretsches will continue in the wholesale cut flower business at 52 W. 28 street, and Ordenez Bros. as orchid collectors and growers, at Madison, N. J.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

ASPARAGUS

A. Lenth & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

ASTER SEEDS

Elmer D. Smith, Adrian, Mich.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
Pa.

AUCTION SALES

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

BEDDING PLANTS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1123
Broadway, N. Y.

Kreeschell Bros. Co., 468 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

French and Dutch Bulbs.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.

For page see List of Advertisers.

A. T. Boddington, 242 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.

For page see List of Advertisers.

H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

"Buds", New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.

For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

S. S. Pennock Meehan Co., Philadelphia,
Pa.

Field-Grown.

W. C. Stickel, Lexington, Mass.

2000 field grown Carnations. We have
a surplus of a light pink seedling. Large,
stocky plants, very prolific; \$6.00 per 100.
Cash with order. Leonard Cousins, Jr.,
Concord Junction, Mass.

Carnations. 5000 Lloyd, field plants,
\$5.00 per 100, \$45.00 per 1000. Second
size, \$3.00 per 100. Stafford Floral Co.,
Stafford Springs, Conn.

Field grown carnation plants, strong and
healthy. Enchantress, Windsor, \$5.00 per
100; Queen, \$4.00 per 100; Harry Penn,
\$3.00 per 100. Cash. John L. Lundsted,
Passaic, N. J.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CARNATION SUPPORT

O. A. Muller, Ambler, Pa.
For page see List of Advertisers.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.
For page see List of Advertisers.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum
mailed to your address for 50c. by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.

For page see List of Advertisers.

FANCY BASKETS

The Raedeln Basket Co., Chicago, Ill.

For List of Advertisers See Page 360

FERNS

- A. Lenth Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oechlein, 4911 Quincy Street,
Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. B. Pierson Co., Tarrytown-on-Hudson,
N. Y.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- W. W. Edgar Co., Waverley, Mass.
- Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Palverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

FLORISTS' ENCYCLOPEDIA FREE

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

- McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FREESIAS

- Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FRUIT TREES

- Dwarf Fruit Trees, by F. A. Waugh
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.

- Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
For page see List of Advertisers.

- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
- B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.

- Geraniums, rooted cuttings of Riccard,
Poltevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

- GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., 50 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.
- Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GOLD FISH

- Gold Fish, aquarium plants, snails, cas-
cles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
1815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATE- RIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSES FOR SALE

- H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip
gutter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
- King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- W. W. Edgar Co., Waverley, Mass.
- Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.
- Hydrangea Otaksa, extra nice field-grown
plants for next seasons blooming, with
from 3 to 12 flowering crowns. Ready for
immediate delivery at 2c. for each crown.
F. Langenbach, Norwich, Conn.
- 10,000 Hydrangea Otaksa, pot grown, 8
in., 1 crown, \$5.00 per 100; 4 in., 2 to 6
crowns, \$10.00 per 100; 7 in., 8 to 12
crowns, \$35.00 per 100; 9 in., about 20
crowns, 50c. each. Cash. F. Sokol, Col-
lege St., Worcester, Mass.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotifide kills all greenhouse pests.
P. B. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kilndead Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded
with berries, 4 in., \$10.00 per 100. Cash.
F. Sokol, College St., Worcester, Mass.

W. W. Edgar Co., Waverley, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass., Dept. 8.
For page see List of Advertisers.

LILIUM FORMOSUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
Pines and Berberis.
For page see List of Advertisers.

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 100.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY PLANTS

Pansy Plants, Giant Flowering, 50c. per
100; \$3.00 per 1000. John A. Burns, Frank-
ford Ave., Holmesburg, Phila., Pa.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

Henry A. Dreer, Inc., Philadelphia, Pa.

Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.

PEONIES—Continued

Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kreuschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT BED CLOTH

Plant Bed Cloth, three grades. Best
protection from sun and frost. Used for
Chrysanthemum houses, hot beds, cold
frames. Henry Derby, 123H Chambers
St., New York, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Tral-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

W. W. Edgar Co., Waverley, Mass.

PRIMULAS

Frank Oechslin, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 360

ROSES—Continued

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.
W. W. Edgar Co., Waverley, Mass.
The Rose by H. B. Ellwanger, mailed
for \$1.50 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Cyclamen Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Schiegel & Fottler Co., Boston, Mass.
Primula Seed.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

H. E. Flske Seed Co., Boston.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per
100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Harrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1138
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 28-49
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York
For page see List of Advertisers.

James McMannus, 42 W. 28th St., New York
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 108 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.

For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Slinn, New York, N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1808-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**CAPE FLOWERS.**

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

DIRECT PLANT IMPORTATIONS.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

FLORISTS' TYING TAPE.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

HARDY PERENNIAL PHLOX.

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

LAND LEVELS.

Bostrom-Brady Mfg. Co., Atlanta, Ga.
For page see List of Advertisers.

LOUISIANA RED CYPRESS.

Foley Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

PHLOX.

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

PLANT AUCTION.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

SEEDS AND BULBS.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

**SMITH'S CHRYSANTHEMUM
MANUAL.**

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

THEY'RE STICKING OUT

all over these pages.

WHAT ?

Bargains in good things.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

	Page		Page		Page
Advance, The Co.	395	Lager & Hurrell	366	Stumpp & Wal-	393
Allen, J. K.	386	Langjahr, A. H.	386	ter Co.	393
American Nur-		Lawrence, H. V.	382	Syracuse Pottery	
ery	368	Leonard Seed Co.	381	Co.	394
Aphine Mfg. Co.	396	Leuthy, A. & Co.	367	Tailby	382
Aschmann, G.	378	Lord & Burnham		Thorburn, J. M.	381
Barnard, W. W.		Co.	396	& Co.	381
Co.	381	Low, Stuart &		Thurlow's, T. C.	
Barrows & Son	378	Co.	368-378	Sons, Inc.	368
Bayersdorfer, H.		MacMulkin, E.	382	Totty, Chas. H.	367
& Co.	383	Matthews	382	Valentine, J. A.	382
Beaven, E. A.	387	McCarthy, N. F.		Vicks, Jas. Sons	381
Bobbink & At-		& Co.	384-387	Vincent, R., Jr.	
kins	368	McConnell, Alex.	382	& Sons	367-381
Boddington, A. T.	377	McCray Refriger-		Wadsworth, B.	
Boston Florist		ator Co.	383	E.	367
Letter Co.	383	McCullough's, J.		Wants, For Sale	392
Boston Plate &		M. Sons Co.	384	Ward, R. M. &	
Window Glass		McHutchison &		Co.	375
Co.	395	Co.	367	Waterer, John &	
Bostrom-Brady		McKellar, C. W.	384	Sons	368
Mfg. Co.	375	McManus, Jas.	386	Welch Bros.	384
Breck, J. & Sons	381	Metropolitan Ma-		Wilson	382
Breitmeyer's, J.		terial Co.	395	Wood Bros.	367
Sons	382	Michell, H. F.		Yokohama Nur-	
Bridgeman's Seed		Michigan Cut	380	series	377
Warehouse	381	Flower Ex.	387	Young & Nugent	382
"Buds"	381	Millang, A.	386	Zangen, O. V.	381
Burpee, W. A. &		Millang, Chas.	386	Zinn, Julius A.	383
Co.	381	Moninger, J. C.			
Burr, C. R.	368	Co.	395		
Buxton, Doane		Moore, Hentz &			
Co.	395	Nash	386		
Carrillo & Bald-		Morse, C. C. &			
win	306	Co.	381		
Chicago Carna-		Muller, O. A.	367		
tion Co.	367	Murray, Samuel	382		
Clarke, Dan'l A.	378	N. E. Nurseries	368		
Clarke's, D.		Nicotine Mfg. Co.	393		
Sons	382	Niessen, Leo Co.	384		
Cowee, W. J.	384	Oechslein, Frank	367		
Craig, Robt. Co.	377	Ordenez Bros.	366		
Crawback, G. W.	386	Ouwkerk, P.	368		
Crawford, H. F.	392	Palethrope, P. R.			
Dards	382	Co.	393		
Dingee & Conard		Palmer, W. J. &			
Co.	377	Son	382		
Dorner & Sons		Park Floral Co.	382		
Co.	367	Parshelsky Bros.	395		
Dreer, H. A.	379-394	Peacock Dahlia			
Dunlop, John H.	382	Farms	377		
Dysart, R. J.	386	Pennock-Meehan			
Edwards Folding		Co.	385		
Box Co.	384	Perkins St. Nur-			
Ellwanger &		series	367		
Barry	377	Peters & Reed			
Elliott's, W.		Co.	394		
Sons	374-381	Pierce, F. O.	395		
Esler, J. G.	395	Pierson, F. R.			
Ernest, W. H.	394	Co.	378		
Eyres	382	Pierson, A. N.	367		
Farquhar, R. &		Pierson U-Bar			
J. & Co.	381	Co.	396		
Fiske, H. E.		Poehlmann Bros.	384		
Seed Co.	381	Pratt, B. G.	393		
Foley Mfg. Co.	395	Pulverized Man-			
Ford, M. C.	386	ure Co.	393		
Freeman, G. L.		Red Oak Nurse-			
Co.	366	ries	378		
Froment, H. E.	386	Reed & Keller	386		
Galvin, Thos. F.	383	Reinberg, Peter	384		
Gloekner, Carl		Rice Bros.	384		
R.	381	Rice, M. & Co.	366		
Greiner N. Y.		Rickards Bros.	381		
Florists' Asso.	386	Robinson & Co.	384		
Grey, T. J. Co.	381	Rook, Wm. L.	382		
Gude Bros. Co.	382	Rochrs, Julius			
Hail Association	395	Co.	366-367		
Hart, Geo. B.	386	Roland, Thos.	367		
Heacock, Jos.		Rolker, A. &			
Co.	376	Sons	394		
Heini, Geo. A.	382	Rosens	384		
Herbert	367	Sander & Son	366		
Hews, A. H. &		Schlegel & Fot-			
Co.	394	ter Co.	381		
Hillinger Bros.	394	Schultz, Jacob	382		
Hill, The E. G.		Scott, John	367		
Co.	368	Sharp, Partridge			
Hitchings & Co.	396	Co.	395		
Hoerber Bros.	384	Shoridan, W. F.	386		
Home Corresp.		Siggers & Sig-			
School	382	gers	394		
Horan, E. C.	386	Skidelsky & Ir-			
Hunt, E. H.	393-394	win	381		
Kasting, W. F.		Slinn, B. S., Jr.	386		
Co.	386	Smith, F. D. &			
Kentucky Tobac-		Co.	367		
co Product Co.	393	Smith, P. J.	386		
Kervan Co.	386	Smith, W. & T.			
King Cons. Co.	395	Co.	368		
Krlick, W. C.	386	Smith, Wm. J.	382		
Kroschell Bros.		Standard Plate			
Co.	395	Glass Co.	395		
Kuelder W. H.	386	Stearns, A. T.			
		Lumber Co.	395		

CANADIAN DESTRUCTIVE INSECT AND PEST ACT.

In response to a number of inquiries we here publish such portions of the regulations under the Destructive Insect and Pest Act, as will be of direct interest to exporters from the United States.

"Nursery stock, including trees, shrubs, plants, vines, grafts, scions, cuttings or buds entering Canada shall be imported only through the ports and during the periods respectively hereinafter mentioned, that is to say:

Vancouver, B. C., and Niagara Falls, Ont., from October 1st to May 1st.

Winnipeg, Man., and St. John, N. B., from March 15th to May 15th, and from October 7th to December 7th.

Windsor, Ont., and St. Johns, Que., from March 15th to May 15th, and from September 26th to December 7th.

At these points of entry the importations shall be fumigated in the fumigation houses provided for that purpose, and a certificate of fumigation will be issued, without which no stock may be taken out of bond. Importations by mail shall be subject to the same regulations.

Provided, however, that the following vegetation shall be exempt from fumigation:

(a) Greenhouse plants, with the exception of roses and other woody plants.

(b) Herbaceous perennials (the stems of which die down in winter), such as perennial phlox, peonies, sunflowers, etc.

(c) Herbaceous bedding plants (such as geraniums, verbenas, pansies, etc.)

(d) Bulbs and tubers (such as hyacinths, lilies, narcissi and other true bulbs, and also the tubers of dahlias, irises, etc.)

(e) Nursery stock originating in Europe.

Cottonwood or Necklace Poplar (populus deltoides) when shipped from and grown in Dakota or Minnesota, two of the United States of America, may be admitted at the Customs ports of Brandon or Winnipeg, Man., and without fumigation.

The port by which it is intended that the nursery stock shall enter shall be clearly stated on each package, and all shipments made in accordance with these regulations will be entirely at the risk of the shippers or consignees, the Government assuming no responsibility whatever.

All persons importing nursery stock into Canada shall give notice to the Minister within five days of despatching the order for the same, and they

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

LEARN WIRELESS and R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Davenport, Ia., Columbus, S. C., Portland, Ore.

SITUATIONS WANTED

SITUATION WANTED by first class grower. Danish, age 31; has 16 years' experience in all branches; capable of taking charge of commercial or private place. Hustler, strictly temperate and tends to business. Ready for engagement. Good wages expected in return for good work; state same and give full particulars in first letter, please. Address, "H. E." HORTICULTURE.

SITUATION WANTED as assistant, by man experienced in all branches of gardening. Private place preferred. Home desired with head gardener. Address, A. R., 22 Adams Ave., Everett, Mass.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserins good stock. 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD, Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse, 14,000 square feet of glass, excellent condition. Steam heat, stock of chrysanthemums, violets, pinks, geraniums, etc. New eleven room house; town water and cars pass. Sixteen acres of land, 14 miles from Boston. Price \$6500, easy terms. R. E., care of Horticulture Publishing Company.

Wellesley, Aug. 23, 1910.

Please stop my adv. Got successful answer.

T. D. HATFIELD.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

shall again notify the Minister on the arrival of the shipment in Canada.

Notice shall also be given to the Minister by all transportation companies, Custom House brokers and other persons importing or bringing nursery stock into Canada, immediately such a consignment is received by them. Such notice shall include the name of the consignor and the consignee, the points of origin and destination, the name of the company carrying the nursery stock, as well as the nature, quantity and origin of the same.

European nursery stock, and such other imported vegetation or vegetable matter as the Minister may determine, entering Canada may be allowed to proceed and shall be inspected at the point of destination, but must not be unpacked except in the presence of an inspector.

If, on inspection, nursery stock or other vegetation or vegetable matter is found to be infested with any of the insects, pests or diseases herein-after specified, it shall be destroyed to the extent deemed necessary by the inspector and in his presence. All cases, packages and packing in which such stock has been contained shall also be destroyed in the same manner.

The owner, occupier or lessee of any premises or place where any of the insects, pests or diseases specified herein shall be found, shall immediately notify the Minister, and shall also send to him specimens of such insects, pests or diseases.

The destructive insects, pests and diseases to which the said act shall apply shall include the following:

The San Jose Scale (*Aspidiotus perniciosus*).

The Brown-tail Moth (*Euproctis chrysorrhoea*).

The Woolly Aphis (*Schizoneura lanigera*).

The West Indian Peach Scale (*Aulacaspis pentagona*).

The Gypsy Moth (*Porthetria Dispar*).

Potato Canker (*Chrysophlyctis endobiotica*).

Parasitic diseases affecting potatoes externally or internally.

Branch or Stem Canker (*Nectria ditissima*).

Gooseberry Mildew (*Sphaerotheca mors-uvae*).

White Pine Blister Rust (*Peridermium Strobili*).

A BOTANICAL GARDEN FOR BROOKLYN, N. Y.

Dr. Gager, who recently took charge of the botanical department of the Brooklyn Institute of Arts and Sciences, is planning a forty-acre botan-

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

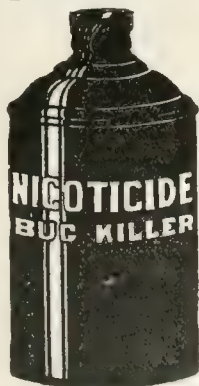
Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

ical garden in the ground back of the Institute museum, between Flatbush and Washington avenues. With the \$100,000 contributed by the city and the \$50,000 added by public spirited citizens of Brooklyn, Dr. Gager hopes to lay out a botanical garden which will enhance the beauty of the general plan of the Institute and be of practical utility to students of botany. In the words of Dr. Gager, "The garden is to be an animated textbook in botany."

The garden in itself, Dr. Gager says, will be as beautiful as art and nature combined can make it. He will appropriate the best features of the Bronx botanical garden, of the Shaw gardens of St. Louis, and of other gardens here and abroad.

The laboratories and greenhouses will be erected on the Washington avenue side of the plot. Rooms for elementary and advanced work will be in the laboratories, with offices for the members of the scientific staff and private rooms for investigators. Some of the eight or ten greenhouses will be used solely for experimental and research work.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

**P. R. Palethorpe Co.
OWENSBORO, KY.**

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

**NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID
THE ORIGINAL NICOTINE
INSECTICIDES**

WRITE FOR
CIRCULAR & PRICES
**NICOTINE MFG. CO.
ST. LOUIS, MO.**

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company
13 Union Stock Yards Chicago**

KILMDEAD
The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St. New York.

In ordering goods please add "I saw
it in HORTICULTURE."

If you want your greenhouse benches to last;

If you want to lessen repair expenses;

If you want an up-to-date plant;

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We will tell you just how to do it. We will furnish you the molds. Write for full particulars and we will tell you all about it. No expensive labor to hire—you do the work.

E. H. HUNT, 76 Wabash Ave., CHICAGO, ILL.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CONTEMPLATED.

New Orleans, La.—Reinhart Cook, addition.

Biddeford, Me.—Strout's, house 30x142 feet.

Baraboo, Wis.—Wm. Peck, addition 20x40 feet.

Villanova, Pa.—W. F. Morris, house 20x70 feet.

Baraboo, Wis.—Wm. Toole & Sons, one house.

Chicago, Ill.—Charles Moravek, house 25x40 feet.

Elizabeth, N. J.—A. T. Sperry, house 88x108 feet.

Washington, Ia.—P. Malinsky, vegetable house.

Chicago, Ill.—C. H. Warneg, house to cost \$1,500.

York, Me.—W. G. Moulton & Son, 90 foot addition.

Harrisburg, Pa.—J. A. Kepner, addition 23x168 feet.

Radnor, Pa.—James F. Sullivan, house 20x75 feet.

Ogden, Utah.—B. Van Der Schuit, house 17x80 feet.

Wilmington, Del.—James N. Talley, house 21x58 feet.

Springfield, Mo.—John Dieckmann, house 15x90 feet.

Rising Sun, Md.—H. Clement Brown, house 24x125 feet.

Philadelphia, Pa.—John Weiland, house 18½x80 feet.

Philadelphia, Pa.—Wm. Berger, three houses 20x100 feet.

Andalusia, Pa.—Henry F. Michell Co., house 20x80 feet.

West Philadelphia, Pa.—M. J. Callahan, house 20x75 feet.

Menlo Park, Cal.—J. B. Coryell, four orchid houses next season.

Harrisburg, Ill.—H. C. Wullebrandt Co., house 23x105 feet and a lean-to.

Pierre, S. D.—Enoe & Barney inform us that they have postponed building plans for the present, owing to their failure to get full title to some ground which was needed. The title is only a matter of time, so the postponement is only temporary.

CEMENT GREENHOUSE BENCHES.

Cement is rapidly taking the place of wood in the construction of greenhouse benches and thus far has filled the bill satisfactorily for all who have given it a trial. The main consideration is to have the material properly mixed and then used to the most practical advantage. The Wittbold system of construction, for which E. H. Hunt of Chicago is agent, has been winning general approval for its simplicity and thoroughness.

The forms invented by Louis Wittbold make a bench in one continuous piece of cement, including posts, flooring, side and end boards. Posts are 5 inches in diameter and the rest one inch thick, reinforced by No. 18 galvanized wire net. Experience has shown that two rows of posts set 4 ft. apart are ample to support a 5 ft. bench and three rows for wider benches. Any florist can construct his benches without expensive labor by the use of the simple Wittbold devices and the cost of labor, cement and reinforcing material will not exceed six cents per square foot. This price is based on actual experience with material bought at Chicago market prices. In a recent interview C. M. Dickinson of the E. H. Hunt Supply House stated that there was a rapidly increasing demand for his booklet of information on cement bench construction which he is sending out free upon application. We advise our readers to apply for a copy. It is an up-to-date presentation of an up-to-date proposition.

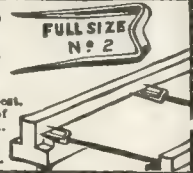
We take occasion to again call attention to the very useful "Standard Pipe Card" which is being sent by Kroeschell Bros. Co., 466 W. Erie street, Chicago, to all who apply for same. It contains in a concise form a large amount of useful information for pipe workers and greenhouse men.

Holds Glass Firmly
See the Point **47**
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate	
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.96	
1500 2 1/2 " " " 5.25	120 7 " " " 4.50	
1500 2 1/2 " " " 6.00	60 8 " " " 3.00	
1000 3 " " " 5.00	HAND MADE	
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.40	
500 4 " " " 4.50	48 10 " " " 4.50	
456 4 1/2 " " " 5.24	24 11 " " " 3.60	
320 5 " " " 4.51	24 12 " " " 4.50	
210 5 1/2 " " " 3.78	12 14 " " " 4.50	
	6 16 " " " 4.50	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St. N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1000 meshes to the square inch. If it is a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Place Your Order Now

Before the season gets too late to make
use of our dry

LOUISIANA RED CYPRESS

HOT BED SASH, VENTILATING
MACHINERY, PECKY CYPRESS, GAL-
VANIZED STEEL GUTTERS, STEEL
PURLINS, TRUSSES, PIPE, FITTINGS,
Etc., Etc.

The Foley Manufacturing Co.
26th St and Western Ave., CHICAGO



Advance Ventilating Machines

Investigate them, as other
florists have done and personally
know they are the best. They
are made to last.

Let us send you circulars and
prices of our line. We know
that you will become an en-
thusiast.

Your inquiries or orders will
be appreciated and will receive
our most careful and prompt
attention.

The Advance Co.
RICHMOND, IND.



MASTICA

FOR
Greenhouse Glazing

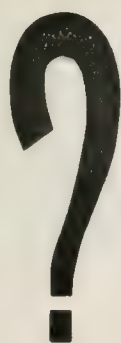
USE IT NOW.

F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
hard putty. Lasts longer than putty. Easy to
apply.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.



WHY Are We Successful In

Greenhouse Construction

Because we know how to do it and apply to the
subject scientific knowledge regarding all the
strains and conditions in a greenhouse as well
as a wide experience in all kinds of construction.

Write for Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS 32 feet or longer HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, Insurer of \$2,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

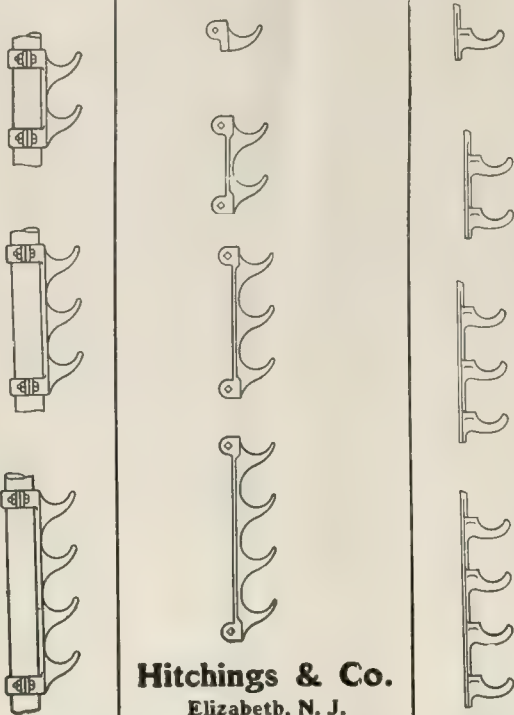
Suitable for all greenhouse pur-
poses, steam, water, gas or oil,
also for fences or posts. All
sizes Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

PIPE HOOKS

Every kind for every purpose where pipe hooks are needed in green house heating. Not the usual brittle cast, cheaply made hooks. Every one of them is made in our own foundry by our own men, so that we know just the kind of hooks we are selling to you. Send for circulars and prices.



Hitchings & Co.
Elizabeth, N. J.



This is the way the Eben Jordan Range looked after being erected ten years, when at Plymouth, Mass. Two years ago we took it down and re-erected it at Wenham, and it is still good for a lifetime in its new home.

Construction is Our Sectional Iron Frame

It is just another proof that the principle upon which it is constructed is right, and that the construction is right. It is framed in sections, each part bolted together. Easy to erect, quick to erect and once erected has a life of generations. Send for Advance Pages of our New Catalog.

LORD & BURNHAM COMPANY

Irvington, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Head Bldg.	The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII.

SEPTEMBER 17, 1910

No. 12



CONSERVATORY AND GARDEN

On Estate of Dudley Oleott, Morristown, N. J.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*



**HENDERSON'S
SUPERIOR
BULBS
PRODUCE
Superior Flowers**

HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

WE are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates.

WHOLESALE CATALOGUE ON
APPLICATION FROM FLORISTS

Peter Henderson & Co.

35 and 37 Cortland St., New York

JULIUS ROEHRS CO. RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*
**SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS Just Arrived in Fine Condition

Oncidium varicosum Rogersii, *O. Marshallianum*, *O. Fobesii*; *Laelia purpurata*, *L. chnabarina*; *Cattleya eltrina*, *Odontoglossum grande*.

CARRILLO & BALDWIN,
Mamaroneck, New York,

PLANTS and FLOWERS always on hand.
ORDONEZ BROS.
Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

The E. G. Hill Co. Wholesale Florists, Richmond, Ind.

Godfrey Aschmann
1012 W. Ontario St., Philadelphia, Pa.
Importer, Wholesale Grower and Ship-
per of Our Specials, *Araucaria Excelsa*,
Compacta Robusta, *Excelsa Glauca*, *Xen-
tia Belmoreana* and *Forsteriana*, also
Ferns, *Begonia Gloire de Lorraine*, etc.
Write for Prices.

BOSTON FERNS, 2½ inch \$30.00 per
1000;
WHITMANI, 2½ inch \$5.00 per 100; \$40.00
per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON
Whitman, Mass.

ORCHIDS

Cattleyas, *Dendrobiums*, *Laelias*,
and *Odontoglossums*

G. L. FREEMAN CO.
Fall River Mass.

In ordering goods please add "I saw it in HORTICULTURE."

STUART LOW & CO.

BUSH HILL PARK
MIDDLESEX, Near LONDON
ENGLAND

VINES IN POTS.

FRUIT TREES IN POTS.

CLIMBING ROSES, 10 to 14 feet long, in Pots.

FRUIT TREES, for Garden and Orchard Planting.

Get Our List and Prices**BOBBINK & ATKINS**

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of thoroughly tested hybrids. **For Forcing Purposes** we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS

For September Planting

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$80.00
3-4 feet.....	6.00	50.00
	Each	Per Doz.
Golden, 18-24 in.....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
	Per Doz.	Per 100
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
	Each	Per Doz.
" Pungens Glauca Koster		
True Blue, 2-2½ ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00
Roots dug with ball and burlapped		
10c. extra.		

CALIFORNIA PRIVET.

	Per 100	Per 1000
3-4 feet and up.....	\$1.50	\$35.00
2-3 feet and up.....	3.50	30.00
Berberis Thunbergii,		
18-24 in., very bushy	10.00	80.00
12-18 in., very bushy	8.00	60.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Two of My Specialties

FOR FALL DELIVERY

Pinus resinosa
8-12 inch transplants, 100 \$20.00 1000 \$180.00

Berberis Thunbergii
15-18 ins., extremely bushy, 8 8.00 75 75.00
18-24 " " " 12.00 90 90.00
24-30 " " " 15.00 120 120.00

These plants are strong, healthy, shapely, well-rooted and in every respect first grade specimens.

DANIEL A. CLARKE

Red Oak Nurseries

FISKEVILLE, - - R. I.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

PHLOX

Extra Heavy, field-grown plants,
\$6 00 per 100; \$50 00 per 1000.

Madam Meuret, Stella's Choice,
Madame Pape-Carpentier, Le Pole
Nord, etc.

Send for Sample

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Woburn, Mass.
P. O. No. 1, Needham, N. Y.

Ipomoea pandurata



For many positions in the garden where a rapid climber is desired this is an excellent plant capable of producing a beautiful effect during the summer and fall months. The accompanying illustration was made from a plant which has been growing on Mr. Dawson's house at the Arboretum for many years where with strings for a support it annually reaches the top of the building with ease. The foliage is very luxuriant and the handsome white flowers with conspicuous purple centers are produced in great abundance from early July until fall.

Arthur. E. Thatcher

Arnold Arboretum.

Aeschynanthus

The genus *Aeschynanthus* deserves more attention from horticulturists than they generally get, as they have handsome flowers, an agreeable fragrance, and fine deep green leaves. They are found mostly in the forests of Java and Borneo. They grow in the company of orchids, collectors tell us, and are of a twining radicant nature. There should be a few of these interesting plants in every tropical collection, as they have a quaintness and beauty all their own. Unfortunately, many of the most beautiful tropical flowering plants are

too slow of growth to have much commercial value for our energetic American florists. But looking at it from an advertising standpoint, would it not pay to grow some of them for window decoration? See how quickly the passerby will be attracted to the florist's window if anything out of common is exhibited there. I have no doubt a well-grown plant of *Ae. speciosus* for instance would answer the above mentioned purpose well.

Aeschynanthuses make beautiful pot plants, if given good treatment by growing them along quickly until they are large enough to be twisted around a trellis which may be made either of wire or thin twigs. They are also used very effectively as basket plants, training the branches at equal distances all round the receptacle. If grown either way, it is better not to permit them to flower the first season, allowing all the strength to go to the making of strong wood. *Aeschynanthus* are propagated by cutting one of the branches that have been made during the season into lengths of about two inches, having two leaves attached, and another joint to insert in the sand. They root quickly in a propagating bed where the temperature, top and bottom, is maintained around seventy degrees. Being epiphytal under natural conditions, these plants like a loose, open material to grow in, and the best plants we ever saw were growing in equal parts of the fibre of loam, osmunda fibre, sphagnum moss, sharp sand and broken charcoal. As the plants grow stronger, about a sixth part of sheep manure may be added. In winter the plants may be kept in a much lower temperature than in summer—say 55 to 60 degrees, and should also be kept quite dry, but never to the point of shriveling the wood. By this treatment they get a rest, and start in the spring with renewed vigor. A few good varieties to grow are *Ae. cordifolius*, *Ae. fulgens*, *Ae. grandiflorus*, *Ae. radicans*, *Ae. speciosus* and *Ae. splendidus*.

George F. Stewart.

West Medford, Mass.

Conservatory and Garden

Our cover illustration shows a very pleasing arrangement of the grounds contiguous to a greenhouse, whereby a harmonious setting is given to the building and a beautiful well-balanced picture meets the eye as one looks across from the steps leading to the villa terrace. The estate is that of Mr. Dudley Olcott at Morristown, N. J. The greenhouses were designed and erected by the Lord & Burnham Co. and the grounds were laid out by Ferruccio Vitale, one of New York's leading landscape architects. The treatment is rather new and novel, having that individuality so much to be desired, and happily avoids those extremes in either direction which so often emphasize the diverse views of gardener and architect. The range is 108 ft. long, the central show house being 42 ft. wide and the wings each 33 ft. in length. Provision is made in the plan for future extension. Mr. Vitale has contracts for the laying out of quite a number of fine country estates in the vicinity of New York.

HORTICULTURE

VOL. XII

SEPTEMBER 17, 1910

NO. 12

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Conservatory and Garden.	
IPOMOEA PANDURATA—A. E. Thatcher—Illustrated.	401
AESCHYNANTHUS—Geo. F. Stewart.	401
CONSERVATORY AND GARDEN.	401
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Ardisias; Crimson and Baby Ramblers; Crotons; Peonies; Phlox; Snapdragons—John J. M. Farrell	403
CLUBS AND SOCIETIES:	
New York Florists' Club—Connecticut Horticultural Society—New Jersey Horticultural Society—St. Louis Florist Club—Lenox Horticultural Society	406
Pittsburgh Florists' and Gardeners' Club—New York Bowlers, Attention	407
Yonkers Horticultural Society—State Florists' Association of Indiana—Club and Society Notes	408
SEED TRADE:	
"Malefactors of Great Wealth," G. C. Watson—Window Displays	412
Notes	413
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores	414
Flowers by Telegraph	415
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit	417
New York, Philadelphia	419
OBITUARY:	
Mrs. John T. Allan	424
DURING RECESS:	
Das Schwaebische Volksfest, Illustrated—New Orleans Horticultural Society—Bar Harbor Horticultural Society	425
MISCELLANEOUS:	
Philadelphia Notes	404
St. Louis Notes	404
An Effective Floral Piece, Illustrated	404
Pennock-Meehan Co.'s New Move	407
Severe Hail Storm, Illustrated	410
Catalogues Received	410
Incorporated	410
Publication Received	412
Messrs Vincent's Annual Festival	412
Chicago Notes	415
News Notes	419-425-426
Personal	424
The Aster Beetle	424
Greenhouses Building or Contemplated	426

The closer the officers come into touch and sympathy with the rank and file and the matters that most concern them the greater will be the efficiency of the organization and the stronger its hold on the community. It is advisable to look the field over early and carefully and plan well ahead for features of general interest and when we see a president calling his committees and other active spirits together for frequent consultation we know that the welfare of the body which they represent is in good hands and can confidentially expect that when the report for the year is made up it will be one not to be ashamed of. So, all get busy now and see what you can accomplish during the season of 1910-11. What is worth doing at all is worth doing well.

Reference is made in our news notes, to the fact that in the arrangements for the Indianapolis flower show the number of classes for which premiums will be offered has been kept down so that liberal premiums may be available in the classes retained. It is the belief of many that good-sized premiums in a few classes will bring out more entries and larger interest on the part of the visiting public than a lot of small premiums spread over a long list of classes. While recognizing the truth that many small growers are thus kept from the privilege of competition and are liable to feel slighted on this account, yet we cannot shut our eyes to the advantages, as seen from the standpoint of the gate receipts, which follow on the securing of large and sensational exhibits and we know many cases where concessions have been made to the minor exhibitors, with the laudable purpose of giving the small grower a chance to get in, which it was well-understood by the schedule makers were simply and solely additions to the expense account, adding nothing whatever to the drawing qualifications of the show as a financial venture. The question is a difficult one to straddle and much could be said on both sides.

Exhibition time is on and for weeks to come will be at its height, not only in the big communities with their imposing displays of floral and pomological wealth but in hundreds—possibly thousands—of little hamlets in every part of this big country. Naturally, we all look with approval on the ambitious demonstrations of cultural skill made by experts in the various departments of horticulture and recognize in these enterprises a mighty agency for the dissemination of horticultural knowledge and the extension of popular interest in the products of the gardener and florist. But are we not liable to underestimate the minor village events, conducted by guilds, improvement clubs and neighborhood unions of flower-loving folk? These groups, with their lively little competitions in garden annuals, house plants, etc., are doing good work in their modest way for the benefit of the seedsman, the nurseryman and the florist and the local tradesman in these lines makes a big mistake in ignoring them as he too often does. We are glad to note that there are some, however, who are always ready to give encouragement to the promoters of these affairs, contributing exhibits not for competition, serving as judges and in other ways showing a disposition to help along anything that tends to more beautiful home surroundings in their town. Bread thus cast upon the waters will not wait "many days" to return. The recompense begins right on the spot.

Clubs and societies generally will now **Starting right** resume the activity which has been suspended during the summer season. The prospects for a successful career during the months to come hang very largely upon the manner in which the start is made. Officers and members alike carry individual responsibility and duties, upon the performance of which depends in no small degree the measure of usefulness and repute which any society may attain.

Seasonable Notes on Culture of Florists' Stock

ARDISIAS

These plants should by this time be well furnished with berries and foliage. Give them a place in full sunlight to help the fruit in coloring. By placing them in a cool, airy and sunny house where the atmosphere will be fresh and buoyant you will have well-done plants of this universal favorite for Christmas. If placed in warm and overhumid quarters they will send out a premature growth of foliage, and that is not wanted now. Careful watering at this season is an important requirement. If allowed to get too dry or wet at the roots they will surely suffer permanent injury. The stems and foliage should be frequently sponged with tobacco water into which a bit of whale oil soap has been added, for the removal as well as the prevention of brown scale which invariably troubles these plants. *Ardisia crenulata* is the one most extensively cultivated and it is the best.

CRIMSON AND BABY RAMBLERS.

It is time now to think of lifting these roses. Care should be taken to preserve as many roots as possible. Pot them firmly, using a good loam, say three parts soil and one part manure. See that the plants get a thorough soaking of water and leave them anywhere out of doors where they can be looked after. When lifted now they will be allowed plenty of time in which to form roots before the time comes for forcing them. The Ramblers that were grown in pots all summer should by this time have made all the growth that is desired, and should be allowed to ripen up their canes. Stand them on boards and they will ripen their wood better. Start by giving less water at the root each succeeding week. Don't dry them off too suddenly as you want to keep the wood and eyes plump. If you have heavy rains and warm weather in October it will be well to lay them on their sides, for these conditions often induce them to break. These roses can stay outdoors until November at least or until you expect very severe frosts, when they should be laid down in a frame and covered with a few inches of straw, and some boards placed over the frame. Before putting them away be sure that they are not dry at the roots; this is important.

CROTONS

In order for these plants to develop their coloring to an intensity, they should have as much sunlight as they can possibly stand. Some varieties can not bear as much sun as others which peculiarity can easily be noted and such plants given a little shade. If the plants are very much pot-bound their color can be intensified and the plants otherwise benefited by giving them some liquid manure about once a week. The plants should be turned around frequently if grown close together so that they will have a symmetrical shape. Now is a good time to put in a batch of cuttings for bedding

plants for next year. If placed where a temperature of 70 degrees can be maintained, combined with some bottom heat, shaded, sprayed and kept a little close, they will soon root. When potted and sufficiently established they can be exposed to the full sun and grown on.

PEONIES

From now on until the ground is frozen too hard to dig, peonies can be lifted, divided, and planted. But the best time for this work is from now until the last week in October. They will grow in any ordinary garden soil. But they will furnish the largest and most desirable flowers when planted in good deep trenched ground which retains a moderate degree of moisture. If your soil is poor it should have a copious supply of rich old cow manure well mixed in. They should be planted about three feet between each plant. They should be inserted with their crowns about 3 or 4 inches below the surface of the soil. They can be planted either in beds, groups or borders and will do well in either way. To maintain peonies in strength, beauty and a luxuriant vegetation there should be added to the soil every autumn a good supply of old manure.

PHLOX

No commercial grower should be without a bed of phlox. It is one of the most useful of all flowering herbaceous perennials. Now is the time to plant, either with new stock or divided plants. They like a deep well manured soil. To propagate by cuttings wait until about the middle of October and lift a number of plants, putting them into a cold frame heeled in and protected so as to make it possible to get at them in January, when you can plant them out on some bench where, in a short time, they will produce any amount of fine cuttings. These will make nice plants ready for the field by next May. There is a good deal of money in growing phloxes for the trade. See the superb list of varieties offered by the advertisers in this paper.

SNAPDRAGONS

Plants that were grown during the summer outdoors and are now in four or five-inch pots will make fine stock to follow early chrysanthemums. If flowers are showing they should be nipped out so as to encourage bushy growth. Give them all possible encouragement by regular attention to the details of ordinary good culture. The young and healthy stock can be planted right into the chrysanthemum soil where, if given a regular carnation temperature, they will soon show active growth and in a short time will begin to send up fine long spikes of bloom. To insure good long spikes of large flowers, you should pinch out the side shoots which are always quite numerous. One of the most important things to bear in mind is not to let the green fly get a foothold. Light fumigation is the only means to keep the fly down, but let it be done moderately and often.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Araucarias; Azaleas; Lifting Shrubs For Forcing; Masdevallias; Poinsettias; Roses.

PHILADELPHIA NOTES.

Paul Richter of Michell's is on a well-earned vacation.

Maurice Fuld of Michell's in addition to catalogue and mail order work as noted last week, will have a leading part in the testing grounds at Andalusia and also in the advertising department.

The Michell gardens at Andalusia are now in full bloom, and well worth a visit. Perennials will be one of the leading features in the near future. One hundred new frames for propagating purposes are being put in.

Samuel S. Pennock was heard from on the 12th inst. as still sojourning in the "blue nose" regions. At latest he was at Digby, N. S. No hayfever up there—the bane of Delaware's green banks from August 25 to September 25 each year.

Joseph Pennypacker of Phoenixville is remodelling his greenhouse plant, and among other things has just installed new boilers of the latest Lord & Burnham type. Your correspondent's everlasting "why" was answered by D. T. Connor in this wise: "Well, you see, he wanted to be entirely safe!" The monumental conceit of D. T.!

The wholesale commission business of W. E. McKissick & Bros. has been dissolved under date of September 8th by mutual consent of the three partners concerned. The final wind-up is under way—in collecting and settling accounts—and the stock and fixtures are for sale. It is understood that the senior partner will establish with new conditions in the near future, and with the many friends he has, and the high standing he maintained during the past ten years, we feel sure of his continued prosperity—and assured of the benefit of his keen, healthy and honest mind—exerted for his own and the general welfare in the flower business. We cannot have too many men like McKissick and cannot afford to lose Wm. E.

On the 10th inst., the partnership heretofore existing between John Westcott and his brother William H. Westcott was dissolved by mutual consent. The business will be continued at the old stand, Ridge and Lehigh avenue, by the senior partner, John Westcott, and his son, William, under the old title of "Westcott's Laurel Hill Nurseries." This concern does a good local business in plants and cut flowers, and intends to extend its operations largely in the near future. The elder Westcott is well-known in florist trade circles, and his son gives promise of being an able "come-on." The grandson, Jack (aged 5), is at present more interested in toy battleships, and minnows than anything else. He has inherited one trait of his grandfather very strongly, however—he fills his ulster with minnows out of the creek—sure sign that the Waretown Rod and Gun Club will last forever!

Visitors were entertained by M. Rice & Co., this week as follows: J. S. Simmons, Toronto, Ontario; Wm. Thurston, Paterson, N. J.; Frank F. Farney, their western representative.

Visitors: Mr. Radclyffe of Ratclyffe & Tanner, Richmond, Va.; P. J. Lynch of Heller Bros. Co., Richmond, Ind.; M. Henry Lynch of Dingee & Conard Co., West Grove, Pa.; Henry W. Bruns and his son, Frank Bruns,

AN EFFECTIVE FLORAL PIECE.



The accompanying picture shows a large standing cross and wreath, the work of the Fleischman Floral Co., Chicago. The massive effect secured by the use of galax leaves and the

lightness and grace resulting from the use of contrasting flower clusters and garlands will be noted. The asters shown in the wreath were lavender, these being the only colored flowers used.

Chicago seedsmen; Samuel P. Lytle, representing the Leonard Seed Co., Chicago; J. S. Simmons, wife and son, Toronto, Ont.; J. Hadley, West Grove, Pa.; S. B. Dicks, Cooper, Taber & Co., London, England.

ST. LOUIS PERSONAL AND TRADE NOTES.

Alex Siegel and Ed. Kalisk have returned from their summer trips.

The Retail Florists' Association met on Monday night, Sept. 12. They had some very important matters to transact.

The Easton Floral Co. and The Grand Ave. Florist have closed their doors. The summer got the best of them.

Arnold Ringier, representing W. W. Barnard Co., Chicago, called last week on the trade and was well repaid for his visit.

The contract to furnish 20,000 tulips to the City Park Department was let

to C. Young & Sons Co. This firm has issued a handsome fall catalogue.

Henry Ostertag spent the past week in the big eastern cities buying decorative plants. This firm has a number of large decorations to furnish this fall.

The Ladies' Home Circle have their outing Thursday of this week at Romona Park. Miss Steidle, its president, has been sick the past week, but is reported well enough to attend this meeting.

The Horticultural Society's executive board held its regular monthly meeting this week, Tuesday afternoon, to talk over show matters. Their fall show is expected to be the largest and best ever.

John H. Taylor, of Bayside, N. Y., who is now traveling in Europe, writes that he would advise rose growers to make a careful try of Etoile de France, both for summer and winter blooming. It impresses him as a grand flower and very free producer.

Truth is stronger than fiction

The World's Championship

in florists' supplies was captured by

M. RICE & CO.

the leading florist supply house, at the 26th annual convention of the S. A. F. and O. H., at Rochester, N. Y., August 16, 17 and 18th, the judges deciding to award an

Honorable Mention

to our exhibit and to

None Other

We exhibited novelties only, feeling sure that the florists of America knew the high quality of the leading florists' supply house's supplies. Our novelties included:

Spun Glass and Velvet Butterflies, Crepe Paper that is frost and water-proof, Cork Wood and Twig Baskets, real Panama Hats, Bridal Scarfs, Violet Corsage Shields, Prepared Cycas Leaves and many other fine novelties.

¶ To be successful is to be progressive. Be not satisfied with ordinary supplies, use only the best. The judges of the Society of American Florists have placed the stamp of their approval on the exhibit of M. Rice & Co. and on none other. Can we offer you stronger inducements to buy of us?

¶ We will only add that we will extend you every courtesy.

M. RICE & COMPANY

Manufacturers — Originators — Importers — Ribbon Specialists

1220 Race Street,

PHILADELPHIA, PA.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The first meeting of this Club for the season of 1910-11, was held on Monday evening last. There were a number of important committee reports which served to make the routine work interesting to the sixty members who were present. The outgoing committee was represented by H. A. Bunyard, P. O'Mara was spokesman for the committee on range of greenhouses for Cornell, W. F. Sheridan for the essay committee announced that J. Horace McFarland would present an illustrated lecture at the October meeting and John Nugent was in good evidence as representing the house committee. Three new members, Messrs. Smith, Glass and Young were escorted to the platform and made their bow as initiates should, and ten new names were put in nomination for membership—a very encouraging sign.

President Miller reported favorably in regard to the hearing at City Hall on matter of a plant market. Seventy-five were present on that occasion and the prospects are considered good. W. J. Stewart, C. B. Weathered and F. R. Pierson were appointed to prepare and present at the next meeting, fitting resolutions on the death of Lyman B. Crow.

Robert E. Berry waxed eloquent as the spokesman for a dozen bowling enthusiasts and asked that the Club give its support to the efforts that are to be made to capture some of the trophies at Baltimore next August. "His words, like so many nimble and airy servitors, trip about him at command." He was followed by Jos. A. Manda, John Birnie, Jos. Fenrich, Alex. Burns, John Donaldson, J. Austin Shaw, C. B. Weathered, Patrick O'Mara, J. B. Nugent, F. H. Traendly, Wm. Duckham and F. R. Pierson, all of whom had some pertinent suggestion as to the best means whereby the former prestige of New York on the alleys might be regained. F. R. Pierson offered five balls as premiums for the coming season. Later in the evening it was announced by Jos. Manda that he had secured a list of twenty members for a new bowling club and it begins to look as if there might be "something doing" before long.

There were on the exhibition table six fine plants of *Clerodendron fallax*, exhibited by Harry Turner, to which the judges awarded five points in the competition for the Hitchings trophy, and a vase of the new chrysanthemum Smith's Advance, shown by Elmer D. Smith & Co.

The rest of the evening was devoted to talks on the lessons of the Rochester convention and varied reminiscences of that memorable event. The speakers included Patrick O'Mara, J. B. Nugent, J. Austin Shaw, J. H. Pepper, F. R. Pierson, H. A. Bunyard, Robert E. Berry and W. J. Stewart, and plenty of pent-up eloquence was let loose until 11 o'clock, when the close came with a standing vote amid hearty enthusiasm in gratitude to the Rochester Florists' Association for their courtesy and hospitality so freely extended to the visitors from New York.

CONNECTICUT HORTICULTURAL SOCIETY.

Our first September meeting was held on the 9th, at the County Building, in Hartford; President John F. Huss, who has just returned from a visit to Switzerland, his place of nativity, being again in the chair. Three new members, all of Hartford, were elected: Messrs. Ernst Grunewald, Hugo J. Reuss, and Olin H. Clark. Mr. James J. Goodwin, of whose magnificent estate President Huss is superintendent, manifested his kind interest in the Society's work by a liberal contribution toward the expenses of the coming Dahlia Exhibition. The reading of his brief note accompanying the gift was received with hearty applause. Mr. Goodwin has made many such contributions in the past; and his concern for the welfare of the Society is much appreciated.

President Huss gave an extended and very interesting account of his trip to Europe, reciting many of the facts recently appearing in *HORTICULTURE* regarding the long-continued and disastrous rains this summer in France, Switzerland, and Germany, where many crops, like potatoes, are almost a total failure.

Our next regular meeting will be omitted, as it falls on the second day of our coming Dahlia Exhibition at Hartford, Sept. 22nd and 23rd; and a special meeting will be held on the evening of the 21st, at Unity Hall, to make preparations for the exhibition, which now promises to excel any ever given by this Society.

GEORGE W. SMITH, Sec'y.

Melrose, Conn.

NEW JERSEY FLORICULTURAL SOCIETY.

After an intermission of two months the N. J. F. S. have resumed regular meetings. At the last meeting arrangements for the dahlia show to be held October 1st were completed. This show has always attracted attention and promises to be the largest exhibition of its kind the society ever held.

Pres. Larson, Treas. Gray, Sec'y Reid and John Hayes were appointed a committee to go to New York to select the silver cups which will be awarded in January for the year's competition at the monthly exhibitions. It was decided to award the large silver cup donated by Mr. Le Court for the best 24 cut chrysanthemums, 6 varieties, 4 flowers of each, at their chrysanthemum show in November. Lager & Hurrell had a nice display of rare orchids on exhibition, for which they received 95 points. The following points were recorded: A. F. Larson, roses, 90 points; Frank Drew, roses, 80; William Reid, roses, 75; carnations, 70; flowering plant, 75; foliage plant, 85; Max Schneider, carnations, 60. For the exhibits not in competition for points the following awards were made: Cultural certificates, Albert F. Larson and Frank Drew, for roses; Wm. Reid, for tuberous rooted begonias. The judges were Messrs. Chas. W. Ashmead, Edward Eccles and John Hayes.

WILLIAM REID, Sec'y.

ST. LOUIS FLORIST CLUB.

This club held one of those delightful outdoor meetings on Thursday afternoon, Sept. 8th, on the grounds of the H. J. Weber & Sons Nursery Co. at Nursery, Mo. This was in response to an invitation extended by Vice-President Frank A. Weber. The day was fine and 35 members and some 15 ladies availed themselves of Mr. Weber's kind invitation. This being installation meeting, the newly-elected officers were installed. The members were met at the end of the car line by large wagons. When they arrived at the big gate Mr. H. J. Weber and his sons met and welcomed them. The greenhouses were first visited, in charge of Walter Weber, and all expressed themselves in what excellent and promising shape in which they found there the roses and carnations. The ladies were well taken care of by Mrs. Weber and her daughters, who entertained them on the lawn. After the inspection tour the members held their meeting in the large packing room. The meeting was opened by President Windler and the installing officers, Messrs. Fillmore and R. J. Windler proceeded to install the following officers: President, John M. Connon; vice-president, Frank A. Weber; secretary, J. J. Beneke; treasurer, W. C. Smith; trustee, E. W. Guy. New committees for the year will be appointed by President Connon at the next meeting.

After adjournment the members were taken in hand by Vice-President Weber and escorted to a fine spread. They were then shown over the grounds and one could hardly realize until looking over these grounds what a grand place it is and what goes to make up a first-class nursery plant of this kind. The club never spent a more pleasant afternoon and a vote of thanks was extended to the Webers for their hospitalities.

LENOX HORTICULTURAL SOCIETY.

The monthly meeting of the above society was held in the Town Hall on the 3rd, when members were treated to a great display of dahlias, staged by Mr. Wingett, superintendent for Mr. Chas. Lanier. Three types, Cactus, Show and Pompoms were represented in 36 varieties. A diploma of commendation was awarded Mr. Wingett. The same gentleman also exhibited a giant melon, *Viand's Perfection*, 24 lb. weight, for which he was awarded a certificate of merit. This is the first year Mr. Wingett has attempted to grow *Perfection*, rightly named for its excellent qualities—size, flavor and depth of flesh. (Alas, we never tasted it.) One from the same bed weighed over 31 lbs. G. Instone, his able foreman, deserves a fair share of praise for growing them so successfully.

Mr. Jenkins, one of the Bar Harbor judges, reported on his visit there. He spoke very highly of the show, and how well the Bar Harbor gardeners had treated him. G. Foulsham had on view the silver cup presented by Mr. W. B. O. Field for the best collection of twelve varieties of vegetables at the fall show. It is to be known as the President's Cup, to be won twice be-

The cream of the crop in Japan is Horseshoe Brand Giganteum of superior assortment. This brand is selected and packed by men who know; the bulbs will average better per thousand than any brand known. The price is \$75 per 1000 for size 7 to 9 inches, no matter who you are or where you are or how many you buy. Every case is recorded and contains a certificate of origin. No other dealer gets this brand—it is sold exclusively from this office direct to the growers.



Not How Cheap
But How Good

RALPH M. WARD & CO.

12 West Broadway, New York

fore it can be lifted, and take it from me—it's worth lifting.

Things are beginning to hum around here now. It is no use to come here unless you can discuss fall show topics. All roads lead to the show. At the previous meeting, four new members were enrolled.

JOSEPH W. PYBUS.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

Regular monthly meetings were resumed on Sept. 6. It was gladiolus and phlox night, but owing to the long continued dry weather neither the home nor the distant growers, to whom the secretary had written, had exhibition spikes of gladioli and none were shown.

H. A. Dreer of Philadelphia sent a large display of phloxes of all the leading varieties. Owing to the hot weather the exhibit did not come through in the best shape. The white varieties travelled best and among them Anton Buchner, Prosper Henry, Henry Murger and Mrs. Jenkins were noticeable. Mrs. Jenkins in particular showed up as a large, fine, pure white. Gen. von Hentz was a pure scarlet of a lighter shade than Vesuvius, and drew attention.

Of the home growers, the Elliott Nursery, Springdale, showed Nelumbium speciosum and Siebold phlox. They have great success with this Nelumbium planted deep in about six inches of water. They like the Siebold phlox better than Coquilicot.

Neil McCallum of West End Park showed a collection of perennials, and Dr. Shafer hybrid orchids. The thanks of the club were extended to the exhibitors. E. C. Reineman, who spent the spring and summer in Europe, talked of floriculture as he saw it abroad, and first he called attention to the fact of Lawson carnation and American Beauty rose keeping better on shipboard than any other of the roses and carnations that were taken from New York. At the Haarlem Flower Show he noticed that the tulips were planted closer in the beds than with us, making a more striking display. He also spoke of the common use of window boxes outside the houses and of the greater display of flowers in the florists' windows. Among the flowers common in Europe and rare here he noticed the double nasturtium. In the Public Parks it was gratifying to find every tree and

shrub labeled with the correct name. His address was very interesting and was listened to with strict attention.

Several members spoke of the Rochester convention, remarking on the good attendance and the fine quality of the exhibition. The gladioli were particularly mentioned. The Rochester Parks with their fine old trees were spoken of admiringly, and in the discussion which followed our own home parks were mentioned—Highland and Schenley—and in many respects it was thought there were none finer in the country.

The subject for the October meeting will be Dahlias.

H. P. JOSLIN, Secretary.

NEW YORK BOWLERS, ATTENTION!

All members of the N. Y. Florists' Club who desire to become members of the N. Y. F. Bowling Club are requested to be at the office of F. H. Traendly, 131 West 28th street, at 3 p. m., Saturday, Sept. 17. Bowling Saturday evening.

J. A. SHAW, Sec'y.

PENNOCK-MEEHAN CO.'S NEW MOVE.

Monday, September 19th, will be opening day of the New York store of the Pennock-Meehan Co. at 109 West 28th street. This new enterprise is under the personal supervision of Percy B. Rigby, a member of the firm, assisted by William J. Moore, and an able staff. A wholesale business in cut flowers, ribbons and supplies will be conducted; and same will be run on the high plane as to business standards that has made the parent establishment in Philadelphia so well and favorably known during the past quarter of a century. New York, Philadelphia, Washington, are now fortunate in having one more feature added to their happiness—as each city has the Pennock-Meehan quality and service right in its midst. We extend greetings and good wishes to the new venture and are pleased to see this evidence of progress and prosperity.

Seekonk, Mass.—Charles Breen has resigned his position as florist at Edgewood Farm.

READY FOR DELIVERY
Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

FIRST SIZE BULBS, 13 ctns, and up.....	100	1000	5000	10000
	\$1.10	\$ 9.00	\$43.75	\$ 85.00
MONSTER BULBS, 14 ctns, and up.....	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctns, and up.....	2.50	20.00		

ROMAN HYACINTHS

White, 12 to 15 c'ts, 2000 to case	Doz.	100	1000
	\$0.50	\$2.75	\$24.00
White, 13 to 15 c'ts, 1500 to case .....	.75	3.25	30.00
White, 15 c'ts, and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

5 x 7, 400 to case	\$0.75	\$5.00	\$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	\$1.25	\$ 8.50	\$75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

MAMMOTH BULBS	\$1.00	\$6.00	\$40.00
THICK PETAELED VARIETY	1.00	6.50	60.00

Stumpp & Walter Co.

50 Barclay Street,

NEW YORK



"Buds"
76 Barclay Street



SEASONABLE BULBS

COLD STORAGE LILY OF THE VALLEY PIPS (extra strong selected) \$12.50 per 1000 in case lots of 2000; \$14.00 per 1000 in smaller quantities.

	Per 100	Per 1000
LILIUM HARRISII.....5-7	\$4.50	\$40.00
LILIUM HARRISII.....7-9	9.50	85.00
LILIUM FORMOSUM.....7-9	7.00	65.00
LILIUM MULTIFLORUM.....6-8	3.00	28.00
LILIUM MULTIFLORUM.....7-9	5.00	45.00
LILIUM MULTIFLORUM.....9-10	8.00	72.00
LILIUM GIGANTEUM.....7-9	7.00	65.00
LILIUM GIGANTEUM.....7-10	10.00	92.00
FREESIA REFRACTA ALBA (Extra Size or Mammoth).....	1.25	9.00
FREESIA "PURITY" (True Stock).....	2.50	20.00
NARCISSUS, Paper White Grandiflora....	1.25	9.00

Have just received and now in stock choice varieties of all seeds used by Florists for Fall Sowing. Send in your list for special prices at once and order early. (Florists know the importance of this.)

"BUDS" 76 Barclay St., New York, N. Y.
CARL R. GLOECKNER, President

ROMAN HYACINTHS (12-15).....	100 2.75	1000 24.00
ROMAN HYACINTHS (13-15).....	3.00	28.00
CALLA AETHIOPICA (White Calla Lily) ..	10.00	

CYCLAMEN SEEDS

CYCLAMEN PERSICUM GIGANTEUM		
Berglinden Strain (Cannot be equalled in this country)		
	Seeds 100	Seeds 1000
Mont Blanc (Pure White).....	\$0.60	\$5.00
Atropurpureum .....	.60	5.00
Superbum (White with Dark Eye).....	.60	5.00
Roseum (Rose Blush).....	.60	5.00
Salmonium (Rich Salmon).....	.60	5.00
Lilacinum (Beautiful Lilac).....	.60	5.00
Rococo (Extra Large Fringed).....	.75	6.00

YONKERS HORTICULTURAL SOCIETY.

A meeting of this society was held Friday evening, Sept. 2nd. The prizes offered by Messrs. H. Nichols and L. Taylor for collections of vegetables brought out a very fine competition which showed that the dry season did not spoil the vegetable crop in Yonkers. The judges, Messrs. John Barry, J. Mooney and L. Taylor, made the following awards: 1st, H. Scott; 2nd, J. Goff.

Louis Milliot read a very interesting essay on "The Most Popular Christmas Flower, the Poinsettia."

The executive committee reported that the Armory of Co. G., N. G., N. Y., on Waverly street, had been hired for the fall show to be held on Thursday and Friday, Nov. 10th and 11th. Entry blanks for same can be procured from H. Scott, secretary, 615 No. Broadway, Yonkers, N. Y.

LEE WHITMAN, Cor. Sec.

STATE FLORISTS' ASSOCIATION OF INDIANA.

We are pleased to learn that the State Florists' Association has again assumed control of the Indianapolis flower shows, which during the past ten years have been conducted under the management of a separate organization with indifferent satisfaction.

Indianapolis is well located to insure a first-class exhibition and the exhibits in the past have been very fine. It is hoped that the show which is being planned for this fall will eclipse any and all of its predecessors. The premiums, all cash, amount to some \$2,000. The list of classes has

been kept down to a reasonable number and it is therefore practicable to hang up purses which are quite liberal. For instance, \$250 is offered in one class for American Beauty roses.

CLUB AND SOCIETY NOTES.

The Rhode Island Horticultural Society will hold a fall exhibition in Columbia Hall, Providence, on September 29 and 30.

The first flower show under the auspices of the Minnesota State Florists' Association will be held at the Armory in Minneapolis, November 15 to 21.

The New London, Conn., Horticultural Society has voted to hold a chrysanthemum show this fall. Fruits and vegetables will also figure in the show.

The Eighth Annual Flower show of the New Bedford Horticultural Society was held Thursday, Friday and Saturday of this week in Odd Fellows' Hall. Dahlias were a leading feature.

The tenth annual meeting of the Texas Nurserymen's Association was held at Waco, on Tuesday and Wednesday, September 13, 14. Many valuable papers were read and the question box was a source of much interest.

The fourth annual flower and vegetable show of the Lake Forest Horticultural Society was held at Lake Forest, Ill., Friday, September 16. Silver cups, medals, and ribbon prizes were competed for. Detailed account later.

The annual Dahlia Show of the American Institute of the City of New York, will be held in Berkeley Lyceum Building, on Tuesday, Wednesday and Thursday, September 20, 21, 22. A large variety of plants, flowers, fruits

and garden vegetables, in addition to the dahlias, is promised.

The floral display at the Connecticut fair at Luna Park, Hartford, was assembled under a large tent and was one of the most extensive ever put up in Connecticut. Local florists, gardeners and nurserymen were represented generally. Among the largest winners were C. L. Burr of Manchester, J. W. Scott, J. F. Huss, John Coombs, Neil Nelson and John H. Slocombe. The judges were S. Carlquist and A. J. Loveless of Lenox, Mass.

The twelfth annual convention of the Southern Nurserymen's Association, which met at the University of Tennessee, Knoxville, concluded its work Aug. 26. The next convention will be at Greensboro, N. C., the fourth Wednesday in August, next year. Officers were chosen as follows: President, W. A. Easterly, Cleveland, Tenn.; vice-president, Aubrey Frinck, Winchester, Tenn.; secretary-treasurer, A. L. Smith, Knoxville, re-elected.

J. S. Wilson of Des Moines was elected president of the Society of Iowa Florists at their eighth annual meeting held last week at the state house. J. T. Temple of Davenport was elected treasurer, while Wesley Greene, secretary of the Iowa Horticultural Society, succeeds himself as secretary of the florists' organization. William Trillow of Des Moines was chosen as director of the southeast district. The next meeting will be held December 13.

Fulton, Mo.—The greenhouse just added to the south end of the present greenhouse at the Fulton State Hospital was purchased from W. D. Bush recently.

VOLUME
1
NUMBER
11

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 17th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

In ordering goods please add "I saw it in HORTICULTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
51 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Stuart Low & Co., Bush Hill Park Middlesex, near London England

ORCHIDS FOR WINTER AND SPRING FLOWERING
 Brasso-Cattleyas and Brasso-Laellias, Hybrid-Cattleyas and Laelio-Cattleyas, Dendrobium by the 1000; Cattleya Labiata and Mennelli by the 1000; Cypripedium a Most Up-to-date Collection. Odontoglossum by the 1000; Odontiodas, most charming hybrids; Oncidium Varicosum by the 1000; Oncidium Marshallianum.

Full Catalogue on Application

LILIUM HARRISII

We offer selected stock of the original true Harrisii for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.
 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

NARCISSUS PAPER WHITE GRANDIFLORA. 14 c/m bulbs, 1,000 to the case, \$1.25 per 100, \$11.00 per 1,000.

WHITE ITALIAN HYACINTHS. 12 to 15 c/m bulbs, 1,150 to the case, \$2.50 per 100, \$22.00 per 1,000.

WHITE ROMAN HYACINTHS. 12 to 15 c/m bulbs, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, \$0.75 per 100, \$6.00 per 1,000.

FREESIAs, FRENCH-GROWN. Bulbs ½-inch and up in diameter, \$1.00 per 100, \$8.00 per 1,000.

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of **NEPHROLEPIS**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

ELEGANTISSIMA IMPROVED. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, \$1.00 each; strong young plants, 2¼-inch pots for growing on, \$10.00 per hundred.

ELEGANTISSIMA COMPACTA. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2¼-inch pots for growing on, \$10.00 per hundred.

SUPERBISSIMA. Introduced by us in 1908. Very distinct and very popular. 4-inch pots, 25c. each; large specimens, 8-inch pans, \$1.00 each.

BOSTONIENSIS. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO. Tarrytown-on-Hudson
 NEW YORK

SEVERE HAIL STORM.



On Saturday, Aug. 20th, Cedar Rapids, Ia., had the most severe hail storm ever known in that section, most of the hail coming down in the form of irregular chunks of ice 1½-inch to 2½ inches in diameter. I. N. Kramer & Son had about 165 boxes of glass broken. The accompanying illustration shows the north side of the Kramer houses where most of the damage was done, though considerable glass was broken on the south side as can be seen on the small house in the picture. The glass still left on the houses as is also shown is nearly all cracked and broken, and that which was knocked out was hammered into small pieces looking as though it had gone through a mill. Palms, rubbers, roses, carnations and stock of every

description were badly damaged. Outdoor stock was cut to pieces. Dahlia stalks an inch or more in diameter were cut off and vegetables pounded to a jelly. Great damage was done to churches, schoolhouses and also to farm crops.

CATALOGUES RECEIVED.

Winterson's Seed Store, Chicago, Ill. —Garden Guide, Autumn, 1910. Well filled with a big variety of good things.

"Buds," 76 Barclay street, New York. —High Grade Seeds, Bulbs, Plants and Implements, Autumn 1910. "Buds" is a young house but the excellence of this catalogue shows that they are not beginners in the line of catalogue compiling. Illustrations are very good.

INCORPORATED.

Downers Grove, Ill.—A. B. Austin Nursery Co., capital stock \$6600. Incorporators, John C. Alden, F. Jason Littleford and Elijah Smith.

New York, N. Y.—International Floral Association, capital stock \$50,000. Incorporators, Paul Armitage, James M. Betts, Azostino H. Montegriffo, Jr.

Williamsport, Md.—Mountain View Nursery Co., capital stock \$30,000. Incorporators, James B. Flemming, George T. Hetzer, C. D. Bell and others.

Aphine
*The Insecticide that
 kills plant Lice
 of every species*

Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon, \$1.00 per quart.

Get it from Your Seedsmen, or Write

APHINE MANUFACTURING COMPANY
 MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
 Crocker Building. San Francisco, California.

DREER'S

Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of Summer flowering plants, and we are prepared to furnish many of the rarer as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are still strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

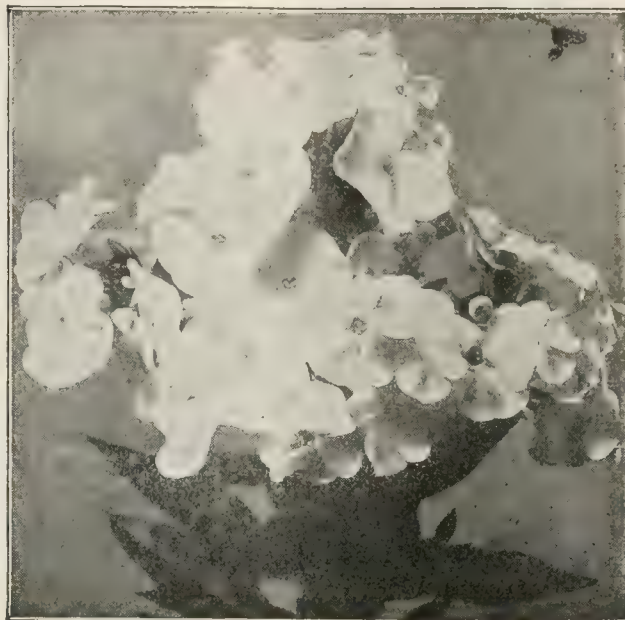
We would particularly call attention to the following **Three New Varieties** as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice.

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flower, of dwarf habit.

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

Price: Any of the above three new varieties \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglæ Anderson (Medium). Immense flowers, snow-white, with red eye.

Antonia Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine rose, with darker eye.

Colibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d'Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf, pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large, white centre.

Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Ungeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate pale, rose mauve, with claret-red eye.

George A. Stroblin (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.

General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

Helena Vacaresco (Dwarf). Very large-flowering dwarf, white.

H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.

Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.

Henry Marcel (Medium). Pure red, with very bright salmon shading.

Henry Royer (Medium). Tyrian rose, with lighter shadings; large flower, dwarf.

Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.

Jeanne d'Arc (Tall). A good standard late white.

Louis Blanc (Tall). Reddish-violet, with pure white shadings and darker eye.

La Vague (Medium). Pure mauve, with aniline-red eye.

Le Mahdi (Tall). Deep reddish violet, with darker eye.

La Fondre (Tall). Rich glowing French purple, shading crimson.

Louise Abbema (Dwarf). Very large dwarf, pure white, of fine form.

Le Prophete (Dwarf). Bright violet-rose, large light halo and bright rose eye; fine.

Mme. Paul Dutrie (Tall). A delicate lilac rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large and borne in panicles of immense size.

Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins (Tall). The best tall early white for massing.

Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.

Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet.

Pantheon (Tall). Bright carmine rose.

Pecher d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.

Prosper Henri (Dwarf). Pure white, with large decided eye of rosy magenta.

Pacha (Dwarf). Deep rose pink, suffused with solferino-red and carmine-purple eye.

R. P. Struthers (Tall). Rosy carmine, with claret-red eye; fine.

Sunshine (Dwarf). Large, aniline-red with crimson-red eye and light halo.

Selma (Tall). Large flower, pale rose mauve, with claret-red eye.

Siebold (Tall). Bright vermilion-red, overlaid with orange scarlet; crimson-red eye.

Sarabande (Medium). Reddish-violet, with lighter shadings.

Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.

Von Hochberg (Tall). The ideal crimson Phlox, the richest of its color.

Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.

Von Lassburg (Medium). The purest white in cultivation, individual flowers larger than any other white.

Price: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

WRITE FOR SPECIAL PRICES ON LARGE QUANTITIES

For a complete list of seasonable stock, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER Inc., 714 Chestnut St., Philadelphia, Pa.

Seed Trade

"Malefactors of Great Wealth."

Just what this phrase of the redoubtable Colonel means, has always been a rather hazy problem to me; but I have had a fine exposition of it recently. A cat episode did it. A certain seedsman in this town—no need to mention names as the story fits many, and the story's the main thing—had a twelve-foot area way in the rear of his store. Back of this was a small dwelling house in which dwelt an old lady who had a fine Maltese cat. In the summer, windows being open, the Maltese strayed, and the seedsman being a friend of all four-footed creatures, struck up an acquaintance. The Maltese purred around and often went to sleep on his desk. One day in came a wealthy broker who fancied kitty and offered ten for her. "No indeed, couldn't think of selling that cat!" Other things were talked of—and bye-and-bye—just when the aforesaid malefactor was leaving—twenty-five was offered. "Charlie, could we sell that cat for twenty-five?" "No, indeed, couldn't sell that cat at any price?" "H'm, H'm, Ha-ah, too bad, sorry to disappoint you, old man, but do you happen to have that twenty-five in your clothes?" "Sure!"—and it was counted out and handed over to Charlie. About a week later an old lady in great distress stumbled up against the pivot of this tale. Hadn't seen her kitty for a week. "Remarkable coincidence, Madam, haven't seen it either for a week. Of course I know it used to stray into our place and you know the villains from Boston and Chicago and New York who call on us! Capable of anything! Take this five and say no more about it." The old lady loved kitty, but five dollars seemed a terrible price for a cat, so she said a dollar ought to be enough. The malefactor was not to be balked in his generosity, however, so the five and the old lady lived happily together ever after.

A fitting prize will be allowed and awarded to the reader who will best diagnose the moral principle involved in the aforesaid "business transaction." Pure logic only to govern the award.

Was it right, and why?

GEORGE C. WATSON.

Window Displays.

We have seen various good things in the way of window displays in seed trade lines in the last twenty years—including the wonderful lay-outs at Henderson's in New York and at Fiske's in Boston; but the peer of them all has been shown in last week's exhibit at Michell's in Philadelphia. This was to exploit pot-grown strawberries. Philip Freud is a past master, and did it right. No more need be said. Thousands more could have been sold if this exhibit had been put up sooner. Why do florists and seedsman so neglect their windows—their greatest assets?—G. C. W.

Peter Henderson & Co.'s new store front is well-adapted for attractive displays and at present an admiring throng is to be found almost continu-

MICHELL'S KEYSTONE PLANT TUB

The Ideal Florist's Tub for Palms, Bay Trees, Boxwood and Evergreens

Made of White Cedar, with Electric Welded Hoops, Painted Lead Color Inside and Dark Green Outside; Much Cheaper than Pots, Easier to Handle, and More durable.

PRICES

Size	Outside Diameter	Outside Heights	Each	Dozen	100
G	8 in.	9 in.	\$0.30	\$3.50	\$28.00
H	11 "	12 "	.30	3.50	28.00
A	11 "	12 "	.65	7.15	55.00
B	12 1/4 "	12 "	.75	8.25	65.00
C	13 1/4 "	13 "	.85	9.35	75.00
D	14 1/4 "	14 "	1.00	11.00	90.00
E	15 1/4 "	14 "	1.25	13.75	110.00
F	16 1/4 "	15 "	1.50	16.50	130.00

Only sizes D, E and F are equipped with handles, others are without.

OUR COMPLETE CATALOGUE OF FLORIST'S BULBS, SEEDS AND SUPPLIES MAILED FREE

HENRY F. MICHELL CO.

1018 Market Street

Philadelphia, Pa.

ously inspecting and admiring the cleverly arranged show of cannas, dahlias and nymphaeas. Such displays, especially when the material is plainly labeled as in this instance, do much to advance the popular knowledge of plants.

PUBLICATION RECEIVED.

"Bohemia and the Cechs" has just been issued by L. C. Page & Company, Boston publishers. The author is Will S. Monroe, a writer who has already won wide repute by his pen pictures of the history, peoples, products and customs of other lands. The book now before us is said to be the first general work of travel and description of Bohemia in English and as such will undoubtedly command wide attention. It is the story of a sturdy, cultured and highly intellectual race, of whose character and attainments most of us have heretofore had a very fragmentary knowledge, told in a terse and interesting style which at once thrills and absorbs the reader.

A vast amount of information has been crowded into its 500 pages and the text is illumined by 57 full page inserts showing natural scenery, portraits, and examples of ancient and modern architecture. The various chapters are severally devoted to the geography of the country, the beginnings of the Bohemian nation, the periods of Charles IV, John Hus, the moral revolution, the end of Bohemian independence, the Bohemian people, their social and religious institutions, their language and literature, paintings, sculpture, architecture, music, agriculture, industry and commerce; Prague, Hradcany, Carlsbad and other towns of historic interest.

Bohemia is a highly productive country agriculturally, half the area of the kingdom being devoted to that industry, but unfortunately more than a third of the agricultural lands belong to the nobility. Horticulture is receiving more attention than formerly and apples, pears, plums and other fruits are largely grown. The peasant farmers are ambitious and failing to find scope for their aspirations, come to America where they secure holdings in the central west and take their place among the most valued members of the great class of progressive American agriculturists. It is stated that

Chicago is the second largest Bohemian city in the world.

The book is well indexed and an appendix gives much detailed information for travelers. The price is \$3.00.

MESSRS. VINCENT'S ANNUAL FESTIVAL.

On September 27, 28, 29 and 30, the Ladies' Aid Society of Ebenezer M. E. Church, Chase, Md., will hold at Cowenton, B. & O. R. R., their Fourth Annual Harvest Home Festival, which is held in connection with the Vincent Dahlia and Flower Show and the Neighborhood Farm and Household Product Exhibition.

The Annual Harvest Home Festival is a delightful occasion in this section of Baltimore County, and has become the great home-coming week. The Vincent Dahlia Show is the largest exhibition of the kind held in the country, in which thousands of dahlias are arranged in their spacious warehouse, to the best advantage for exhibition, hundreds of kinds being arranged in their different classes, while great banks are massed in color effect. When in full bloom the fields of forty acres of dahlias and ten acres of cannas present a panorama of coloring that is at once striking and beautiful—a sight never to be forgotten.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HARRISONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Liliiums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

WHITE PEARL ONION SETS
NOW READY

Largest Growers of Peas Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

LOWEST PRICES ON APPLICATION

FREESIAS

	100	1000
Selected,	\$.75	\$6.50
Mammoth,	1.25	9.00

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg.,
PHILADELPHIA, PA.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Business For Sale!

Small established seed business in a city
of 70,000 population is offered for sale.
This business has been well advertised and
is growing every year. Full particulars
upon application. Address, "BUSINESS,"
care of HORTICULTURE.

SEED TRADE NOTES.

Dallas, Tex.—The David Seed Co.
is contemplating opening a branch
store in El Paso, Tex.

Birmingham, Ala.—The Amzi God-
den Seed Co. has increased its capital
stock from \$40,000 to \$100,000.

Lincoln, Neb.—Fire recently dam-
aged the warehouse and elevator of
the Griswold Seed Co. to the extent
of over \$30,000. The loss on build-
ing and stock was fully covered by
insurance.

FALL BULB CATALOGUE

If you have not received a
copy send for it.

James Vick's Sons
ROCHESTER, - N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr. Pkt.
Forget-Me-Not , Victoria for pots,	\$2.50	\$0.35
Mignonette , Zangen's Triumph,	4.00	.50
Pansies Special Florists' Mixture,	4.00	.50
Stocks , Princess Alice, pure white,	3.00	.50
Beauty of Nice , Carmine, Daybreak,		
Rosy Lilac , Snow White, each separate,	3.00	.50

O. V. ZANGEN Seedsman - Hoboken N. J.

"BUDS"

76 Barclay Street, New York
Important to Florists and Gardeners

New crop of High Grade Flower Seeds just
arrived. (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

CYCLAMEN

NEW CROP

To obtain large flowering plants for
Thanksgiving and Christmas 1911,
seeds should be sown now. For
the florist, our Giant Cyclamen
is unsurpassed.

Giant Crimson,	Giant Pink
Giant White	Giant Blood Red
Giant Excelsior	White with claret base
Picturatum	Pink with claret base
	Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.
6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

**Thorburn's
Bulbs**

Roman Hyacinths, Paper White Narcis-
sus, Dutch Bulbs, Cyclamen Giganteum
seed, finest strain procurable, new crop
now ready.

Inquiries Solicited

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Seeds and Bulbs

Send for Special Price List

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

VEGETABLE PLANTS

	Per 100	Per 1000
CABBAGE —Wakefield and Succession.	1.00	\$1.00
LETTUCE Grand Rapids, Fig Boston, Boston Market and Tennis Ball.	1.00	1.00
PARSLEY —	1.00	1.00

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY Kansas City, Mo. 913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo N. Y.

Members Florists Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Sycamore, Ill.—Fred R. Kramer is
now employed by Wm. Swinbank.

Marion, Ind.—F. W. Herleman, flor-
ist, has discontinued business here.

Chicago, Ill.—Miss Clara Russ has
sold her flower business to Miss Flor-
ence Moore.

Minneapolis, Minn.—Fire damaged
the New York Florist recently to the
extent of about \$1000.

Toledo, Ohio.—George A. Heinel has
sold his retail florist business to Mrs.
J. B. Freeman who has been with him
many years as manager of his store.

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London..Sept. 17

Cunard.

Carmania, N. Y.-Liverpool..Sept. 17

Mauretania, N. Y.-Liverpool..Sept. 21

Ultonia, N. Y.-Medit'n...Sept. 22

Ivernia, Boston-Liverpool...Sept. 27

French.

La Lorraine, N. Y.-Hayre...Sept. 22

Hamburg American.

Amerika, N. Y.-Hamburg...Sept. 17

Pres. Grant, N. Y.-Hamb'g..Sept. 21

Cincinnati, N. Y.-Hamburg...Sept. 24

Holland-America.

Ryndam, N. Y.-Rotterdam..Sept. 20

Potsdam, N. Y.-Rotterdam..Sept. 27

Leyland.

Canadian, Boston-Liverpool..Sept. 21

North German Lloyd.

G. Washg't'n, N. Y.-Bremen..Sept. 17

K'p'n Cecilie, N. Y.-Bremen..Sept. 20

Prinz's Irene, N. Y.-Medit'n..Sept. 24

K'p'z Wilhelm, N. Y.-B'm'n..Sept. 27

Red Star.

Kroonland, N. Y.-Antwerp..Sept. 17

Finland, N. Y.-Antwerp....Sept. 24

White Star.

Cedric, N. Y.-Liverpool....Sept. 17

Zeeland, Boston-Liverpool...Sept. 20

Adriatic, N. Y.-S'hampton...Sept. 21

Cretic, N. Y.-Mediterranean..Sept. 21

Arabic, N. Y.-Liverpool....Sept. 24

Kirkland, Wash.—A large tract of
land has been purchased near here
by J. J. Bonnell of Seattle, Wash. He
intends to put up a range of about
20,000 square feet of glass. The prop-
erty is located on the rich bottom
land where it has a combination of
good soil, accessibility and transpor-
tation facilities for receiving and
shipping.

New York.—M. Bowe is obliged to
vacate by October 1, the well-located
store which he has occupied for many
years on Broadway near 33d street, as
the building is to be demolished. Mr.
Bowe is negotiating for a place a
little farther up-town, but in the
meanwhile has secured a location at
60 West 33d street, next door to the
Hotel Martinique. This he will retain
as a permanent adjunct after locating
his main store elsewhere.

NEW FLOWER STORES.

New York, N. Y.—Karadontes Bros.,
2176 Broadway.

Pittsburgh, Pa.—The Zeiger Co.,
North Highland avenue.

Pittsburg, Pa.—G. P. Weaklin & Co.,
130 South Highland avenue.

Washington, D. C.—Mr. Holland,
14th street and Park road, N. W.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

Mrs. J. B. Freeman SUCCESSOR Geo. A. Heinel

Leading Florist, TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

WE OPEN THE SEASON with the finest stock of Florists' Supplies ever offered. The goods are all fresh and up to date and the novelties have selling merit.

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO.
1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Flower Trade Notes.

O. J. Friedman will open his second Michigan avenue store on Sept. 17. It will be conducted under the name of The Congress Floral Co., Inc., and Wm. Graff, for many years with Friedman, will be placed in charge.

Chas. Moravek of Ogden avenue has moved a short distance and is now at Ogden avenue and Sawyer street, where he has a large store. A conservatory, 25x40 feet, facing on Sawyer street, is being built, and when completed Mr. Moravek will have a very desirable place.

The use of the Coliseum is practically assured for the Flower Show. This is very gratifying to all interested, as it is the most suitable place in which to hold the annual event. A very liberal premium list is being prepared and the date has been fixed for Nov. 8 to 12 inclusive.

At the meeting called at J. B. Deamud's to organize a bowling club last week a goodly number responded and the club is an assured fact. A meeting is called for the 16th to elect the captains, etc. Regular meetings for bowling will be held each Monday at Flenner's, State and Monroe Sts.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

Among the novelties seen in the windows of the large flower stores this week are plants of Celosia Thompsoni Magnifica in a variety of rich colors. They are from two to three feet in height and well branched and are a valuable addition to the plant trade, as they come at a time when blooming plants are very scarce. They are also desirable for cut flowers.

Strail and Hahn captured the decoration for the banquet given by the Hamilton Club at the Congress Hotel on the 8th in honor of Theodore Roosevelt. The speakers' table in the gold room, at which were seated 45, was next to the south wall and was trimmed with 200 long-stemmed Beauties in tall vases, and strewn upon the table with ferns and Sprengerii. Among the green many tiny incandescent lights of red, white and blue were used with fine effect. The rest of the 999 guests were at tables seating eight each and thousands of Killarney roses with ferns and Sprengerii were strewn upon the tables. The balconies and walls were draped with flags and bunting.

Vacations.

The busy summer has caused some of the vacations to carry over into the fall. Wm. Graff is taking a fishing trip before he enters upon his duties in the Congress Floral Co.'s new store. W. H. Beaumont of Friedman's has just returned from a month in Cleveland, Pittsburg and several Canadian cities. Miss Sisler of the same store has just left for a two weeks' rest. J. A. Schnepf of the Alpha is taking an enforced rest, for he is out of health, though not seriously. Geo. Wienhoeber returned from Minnesota on Labor Day and resumed his duties as manager of the Fleischman Co. Miss Harper of the E. H. Hunt Supply Co. is spending a couple of weeks in Mich. T. V. Brown of A. Lange's is away for a three weeks' rest in Iowa.

Personal.

J. F. Johnson of Fort Smith, Ark., is on his annual tour, making Chicago the terminus. Mrs. Johnson has been here a month.

Mr. and Mrs. H. W. Farmer of Anderson, Ind., are in the city. Mr. Farmer was of the firm of Farmer & Son, but will now take charge of the flower and seed department for C. H. Williams, also of Anderson.

N. H. Long of Dixon, Ill., is here, buying supplies for his retail store.

Other visitors: H. S. Woodruff,

Orange, Conn.; W. H. Troyer, Elkhart, Ind.; Wm. Graff, Columbus, O.; A. L. Glaser, Dubuque, Ia.; A. C. Rott, Joliet, Ill.; L. A. Casper, Rochelle, Ill.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—Mrs. J. B. Freeman.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Fremont, Nebr.—A barn belonging to C. H. Green, florist, was burned on Sept. 4, destroying a horse, wagon and the entire contents of the barn. The loss is about \$500, partially covered by insurance.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

DAHLIAS : \$1.50 to \$3.00 per 100.

All the good and new commercial varieties and a choice selection of single Dahlias.

WILD SMILAX : \$6.00 per case.

Better than the stock usually offered.

BRONZE GALAX : \$7.50 per case.**NEW GREEN GALAX** : \$1.00 per 1000, \$7.50 per case.**LEO NIESSEN CO.**

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morion Grove, Ill.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO Sept. 13		TWIN CITIES Sept. 13		PHILA Sept. 13		BOSTON Sept. 15	
ROSES								
Am. Beauty, Fancy and Special..	25.00	to 30.00	28.00	to 35.00	20.00	to 25.00	15.00	to 25.00
" Extra	20.00	to 25.00	20.00	to 28.00	12.50	to 15.00	10.00	to 15.00
" No. 1	10.00	to 20.00	10.00	to 20.00	6.00	to 8.00	6.00	to 8.00
" Lower grades	3.00	to 10.00	5.00	to 10.00	3.00	to 5.00	1.00	to 3.00
Bride, 'Maid, Chateaux, F. & S. ..	5.00	to 6.00	4.00	to 7.00	5.00	to 6.00	2.00	to 5.00
" Lower grades	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp. ..	8.00	to 10.00	6.00	to 10.00	6.00	to 8.00	3.00	to 8.00
" Lower grades	3.00	to 4.00	4.00	to 6.00	2.00	to 5.00	.50	to 1.00
Kaiserin, Maryland, Fan. and Sp. ..	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00	3.00	to 8.00
" Lower grades	2.00	to 5.00	4.00	to 6.00	2.00	to 3.00	.50	to 1.00
CARNATIONS, Nov. and Fan.								
" Ordinary	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas ..	10.00	to 50.00	30.00	to 60.00	60.00	to 75.00	45.00	to 60.00
Lilies, Longiflorum ..	6.00	to 12.00	10.00	to 12.50	.....	to 12.50	6.00	to 10.00
" Speciosum ..	.....	to .....	.....	to	1.00	to 2.00	2.00	to 3.00
Lily of the valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 4.00
Asters	1.00	to 3.00	2.00	to 3.00	1.00	to 2.00	.35	to 1.50
Daisies .....	.....	to .....	.75	to 1.25	.....	to .....	.25	to .50
Snapdragon .....	.....	to .....	.....	to .....	.....	to	1.00	to
Gladioli ..	2.00	to 4.00	3.00	to 7.00	3.00	to 4.00	1.00	to 4.00
Chrysanthemums ..	.....	to .....	.....	to .....	.....	to	12.50	to 16.00
Gardenias ..	.....	to .....	.....	to	20.00	to 25.00	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	12.50	to 15.00	12.50	to 13.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	40.00	to 75.00	45.00	to 60.00	.....	to 50.00	.....	to 50.00
" " & Spreu. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

**HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK.**

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Flower Market Reports.

BOSTON The flower trade is rather on the quiet side this week. Cooler weather is now prevailing and prospects are favorable for a revival in the near future, however. There is an increasing supply of carnations, also of gladioli. On asters the supply is going downward both in quantity and quality and the only really fine blooms now are those raised under glass. Roses are gradually getting better. Sales on Beauty are slower than at last report. Lily of the valley sells well. Just now the variety of flowers in the market is smaller than at any other time of the year.

The market for past two weeks has been well supplied with everything that is wanted at this season; in fact, the aster and gladiolus crop has been at its height. Select stock of asters has sold fairly well, except the ordinary quality which has blocked the market and the wholesaler is on a constant lookout for the cemetery florist to consume the "carried overs" at their own price; the same may be said of gladiolus. In the rose line the Beauty is of good quality and larger quantities are received than can be disposed of at good advantage at times and it has been up to the wholesaler to carry them along from day to day. Other roses outside of Kaiserin and Carnot are much mildewed, but some fine Maryland are had and these have preference to all others. Longiflorum and Japan lilies are in good supply and there is a constant demand for them. Weddings are noticeable on account of the demand for lily of the valley, which for quality cannot be excelled. The call for white roses is also increasing. The new crop of southern smilax is on, new green galax, etc., and all share a little in the demand.

Cooler weather and other favorable factors are having a marked effect on trade. Along with the increased demand has come an improvement in the quality of stock and on some days the stores, both wholesale and retail, present the aspect of the busy, rather than the dull season. Asters are departing and as the end draws near the feeling seems to prevail that the season has been better than anticipated by most growers. The cold, wet spring and the hot, dry summer were against the aster crop and comparatively few fancy asters came into the market, but there was a volume of trade in low-priced ones that has been fairly good in the way of final results. As they are leaving, carnations are coming in and while stems are short, flowers are of fairly good size and they are more than welcome as September business grows heavier. Roses of all kinds are gaining with the cool days. Dahlias are here in quantity, but the buyers are few and stock lags. Some cut celosia of the feathery type takes well. Tuberoses, marigold and other fall flowers, tritoma and golden glow, with oak leaves, give a good variety to choose from for window use.

DETROIT Last week's business was not up in volume to expectations, but undoubt-

TYING TAPE SPECIAL

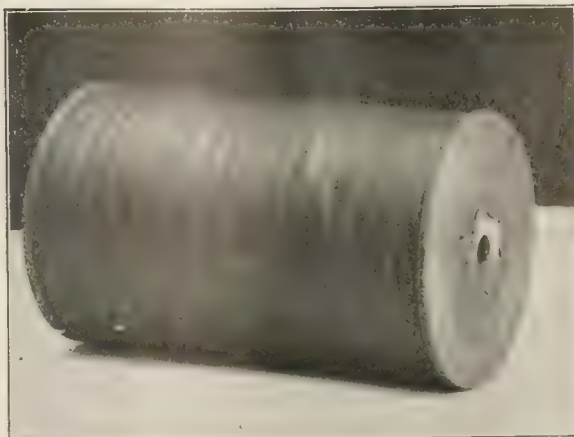
A new Pennock-Meehan introduction for tying boxes and packages.

It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

Per 1000 yard Spool
\$1.75

Stock Colors: Foliage green, violet, red, light blue and white.

We can furnish special colors to match any color box on three weeks' notice.



Tape Reels or Holders

Gun metal and nickel plated; an elegant counter requisite. Made especially for these thousand yard spools.

\$1.50 each

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of

1608-20 Ludlow Street, Philadelphia, Pa.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. — TO DEALERS ONLY.

	CINCINNATI Sept. 13	DETROIT Sept. 13	BUFFALO Sept. 13	PITTSBURG Sept. 13
ROSES				
Am. Beauty, Fan. and Sp.	20.00 to 25.00	25.00 to 30.00	20.00 to 25.00	15.00 to 20.00
“ Extra	15.00 to 20.00	20.00 to 25.00	10.00 to 12.00	10.00 to 12.50
“ No. 1	8.00 to 15.00	15.00 to 18.00	6.00 to 10.00	0.00 to 8.00
“ Lower grades	4.00 to 6.00	4.00 to 10.00	3.00 to 4.00	..... to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00 to 6.00	6.00 to 8.00	4.00 to 7.00	6.00 to 8.00
“ Low gr.	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp.	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
“ Lower grades	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Maryland, Fan. and Sp.	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
“ Lower grades	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, Novelties and Fancy	1.00 to 1.50	..... to	1.00 to 1.50	..... to 2.00
“ Ordinary .....	.50 to .....	.50 to 1.00	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas .....	..... to	35.00 to 50.00	..... to .....	..... to
Lilies, Longiflorum	6.00 to 10.00	15.00 to	8.00 to 10.00	6.00 to 8.00
“ Speciosum .....	..... to .....	..... to 4.00	3.00 to 4.00	..... to
Lily of the Valley .....	..... to 4.00	3.00 to 4.00	..... to	2.00 to 4.00
Asters .....	.50 to 8.00	1.00 to 4.00	.40 to 2.00	.50 to 2.50
Daisies .....	..... to .....	..... to .....	..... to .....	..... to 1.00
Snapdragon	1.00 to 4.00	..... to .....	..... to .....	..... to
Gladioli .....	.50 to 3.00	3.00 to 6.00	2.00 to 4.00	..... to
Chrysanthemums .....	..... to .....	..... to .....	..... to	15.00 to 20.00
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	.75 to 1.00	1.00 to 1.50	.70 to 1.00	1.00 to 1.25
Smilax	10.00 to 15.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100) ..	15.00 to 50.00	25.00 to 40.00	..... to	30.00 to 50.00
“ “ & Spreng. (100 bchs.) ..	15.00 to 25.00	25.00 to 40.00	..... to	30.00 to 50.00

edly the commencing of schools, primary elections, etc., has sent the people's thoughts in other directions besides buying of flowers. The time is rapidly coming, though, when a demand will be there without the necessary supply of good flowers. Orders already booked for elaborate store openings are difficult to execute because of the absence of well-colored fall foliage. The outlook for the same is very poor on account of the long dry spell which now causes the foliage to dry up before it receives nature's beautiful tinting. The outlook for the coming season is generally considered very good.

(Continued on page 418)

New York.—Frank Millang, Jr., has gone to work with his father in his

place at the Cut Flower Market, 55-57 West 26th street. The young man has been employed in the office of the Standard Oil Company, where he held a good position with a promising future, but the flower business with its hereditary influence of several generations, is apparently where his heart is. The business of Frank Millang is 25 years established and a good paying proposition.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

Edward C. Horan**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawback Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756
Madison Square New York**B. S. SLINN, JR.**

Wholesale Florist

55 & 57 W. 26th St., New York

Tel 3864 Madison Sq.

AUGUST MILLANG

WHOLESALE FLORIST

41 West Twenty-Eighth Street

NEW YORK

Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST CROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND

CARNEDIAS, DAISIES, ROSES AND CARNATIONS

Telephone

JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**SEND YOUR FLOWERS**Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.**J. K. Allen**, 106 W. 28th St., New YorkPhone 167-4468
Madison Sq.**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 10 1910	First Half of Week beginning Sept. 12 1910
American Beauty, Fancy and Special.....	15.00 to 20.00	15.00 to 20.00
" Extra.....	8.00 to 10.00	8.00 to 10.00
" No. 1.....	3.00 to 8.00	3.00 to 8.00
" Lower Grades.....	.50 to 2.00	.50 to 2.00
Bride, 'Maid, Chateaux, Fancy and Special.....	2.00 to 3.00	2.00 to 4.00
" Lower Grades.....	.50 to 1.00	.50 to 1.00
Killarney, Richmond, Fancy and Special.....	2.00 to 3.00	2.00 to 6.00
" Lower Grades.....	.50 to 1.00	.50 to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00 to 5.00	3.00 to 6.00
" Lower Grades.....	.50 to 2.00	.50 to 2.00
Carnations, First Quality.....	1.00 to 1.50	1.50 to 2.00
" Ordinary.....	.75 to 1.00	1.00 to 1.50

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 { 5893 } Mad. Sq. 113 W. 28 St., New York.

George B. HartWHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N.Y.
For Sale by all Supply Houses

WM. P. FORD

Announces the opening of his **New Wholesale Flower Store**

45 West 28th St., New York

Will be pleased to greet old friends and make new ones too, among the

**Flower Growers and Retail Florists
Of New York and Elsewhere**

All facilities up-to-date. An inspection is invited

Flower Market Reports

(Continued from page 417)

The present week **NEW YORK** sees a little ripple on the hitherto placid surface of the September flower trade and all are duly grateful for even this small encouragement. The rose situation is something of a nuisance under present conditions. Tiny buds with diminutive stems cut from summer planted young stock are being piled into the wholesale markets by tens of thousands. For respectable specimens of any variety there is a fair call at prices as good as usual at this season, but for the small stuff a dollar a thousand is hard to get. Carnations are rapidly coming on now and some quite respectable flowers are seen. Asters still encumber the tables of the dealers, many being of inferior quality. Where they are high-grade they bring a good figure, but the rest are almost unsalable and large quantities are thrown away. Good cattleyas are very scarce still. Sweet peas are practically out of the market. Dahlias are coming in freely, but meet with a scanty welcome. Lilies are bracing up a little in price. Quality fine.

We are glad to be **PHILADELPHIA** able to report a gradually expanding market. Things were decidedly better all along the line last week. The demand was brisker and the quality of the flowers also improved. The best sellers were high-grade Beauties, good white roses and cattleyas. There are still a great many fine asters coming, also a whole lot that are not so good. American Beauty roses are improving right along. There are a few Libertys around, but Richmonds are not much in evidence. Marylands and Killarneys are in first-class shape and share in the general market awakening. What few Brides are being grown now seem to meet with favor. Of course, Killarney has the call on quantity, but there is still room for a white as good as Bride in form and as good a producer as Killarney. Kaiserins are all right and will continue to be a factor up to Christmas. Dahlias are improving and will soon be in full swing. Jack Rose and Nymphaea are two of the best at present. Gladioli lack substance and there are but few of the choicer varieties arriving. In about two weeks there will be something doing in carnations.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 10 1910	First Half of Week beginning Sept. 12 1910
Cattleyas.....	30.00 to 60.00	40.00 to 60.00
Lilies, Longiflorum.....	4.00 to 5.00	5.00 to 6.00
" Speciosum.....	1.00 to 2.00	2.00 to 3.00
Lily of the Valley.....	1.00 to 2.00	2.00 to 3.00
Asters.....	.20 to 2.00	.20 to 2.00
Daisies.....	.25 to .50	.25 to .50
Snapdragon.....	1.00 to 2.00	1.00 to 2.00
Gladioli.....	.25 to 1.00	.25 to 1.50
Chrysanthemums.....	12.00 to 15.00	12.00 to 15.00
Gardenias.....	15.00 to 25.00	25.00 to 35.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 8.00	8.00 to 10.00
Asparagus Plumosus, strings.....	..... to 35.00	..... to 35.00
" " & Sprea (too bchs).....	10.00 to 15.00	10.00 to 25.00

NEWS NOTES.

Alexander Smith, of the N. Y. Cut Flower Exchange, has given up his stand and ice boxes at the Exchange, to go extensively into carnation growing at Bound Brook, N. J. He came into the business at the death of his father, some time ago. His father has had the stand since the Exchange moved to 55 West 26 street, about nine years ago.

Golden Glow chrysanthemum is already showing itself in spots in the

flower markets. Dealers are not enthusiastic over the early arrival and report sales as slow. We saw some specimens, however, at Henshaw & Fenrich's, which experienced no difficulty in finding a market. They came from E. W. Pengar's place at Irvington, N. J., and had that crisp texture of petal and foliage which tells not only of good culture, but also that equally important essential—proper care after cutting and in shipping—something that growers too often underestimate and a neglect which costs them dearly.

Pennock-Meehan Company

Announce the opening of their New York Store, Monday, September 19th. The firm will handle at Wholesale a full line of Cut Flowers, Ribbons and Supplies. The enterprise will be under the management of Percy B. Rigby, assisted by W. J. Moore.

They extend a hearty invitation to the New York trade to call and inspect their goods.

Their motto will be "Satisfaction Guaranteed"



109 W. 28th Street

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Lenth & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
For Sale—Asparagus Sprengerii, prime
plants ready for 8 in. pots or for making
up showy baskets. Excellent for cutting
purposes. \$12.50 per 100. Cash please.
S. E. Boyden, Holden, Mass.

AQUATICS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
La.

AUCTION SALES

Wm. Elliott & Sons, New York, N. Y.
N. F. McCarthy & Co., Boston, Mass.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

New England Nurseries, Inc., Bedford,
Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
French and Dutch Bulbs.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand

For page see List of Advertisers.

"Buds", New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

For page see List of Advertisers.

Charles H. Totty, Madison, N. J.

For page see List of Advertisers.

Carnations. 5000 Lloyd, field plants,
\$5.00 per 100; \$45.00 per 1000. Second
size, \$3.00 per 100. Stafford Floral Co.,
Stafford Springs, Conn.

Carnations, 100 Queen, 50 Harry Fenn,
extra good, \$6.00 per 100.

Vinca Varieg., field grown, \$5.00 per 100.
Violets, Princess, field grown, \$5.00 per
100. Stevia, 5-in. pots, \$6.00 per 100. Cash.

Chas. H. Green, Spencer, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CARNATION SUPPORT

O. A. Muller, Ambler, Pa.

3000 second-hand model carnation sup-
ports in good condition, \$10.00 per 1000.
Henry Holzapfel, Jr., Hagerstown, Md.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.
For page see List of Advertisers.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.

Rooted Cuttings.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.

For page see List of Advertisers.

Charles H. Totty, Madison, N. J.

For page see List of Advertisers.

Herrington's book on the Chrysanthemum
mailed to your address for 50c. by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Lenth & Co., Perkins St. Nurseries,
Roslindale, Mass.

For page see List of Advertisers.

Joseph Hancock Co., Wyncote, Pa.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.

For page see List of Advertisers.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.

For page see List of Advertisers.

FANCY BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Lenth Co., Roslindale, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 424

FERNS—Continued

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street,
Chicago.
Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 81 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. B. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FREESIAs

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
For page see List of Advertisers.

Kervan Co., New York.
For page see List of Advertisers.

GALAX—Continued

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

Geraniums, rooted cuttings of Riccard,
Pottelyne and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixture,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
For page see List of Advertisers.

Parabelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1183
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS. Lord & Burnham
Co., 1183 Broadway, N. Y. Special Glazing
Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co. Chicago.

Peky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1183 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GREVILLEA

Grevillea robusta—Strong, 2½ in. pots,
\$4.00 per 100. Chas. Lenker, Freeport,
N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1183 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1183 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1183 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parabelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, extra nice field-grown
plants for next seasons blooming, with
from 3 to 12 flowering crowns. Ready for
immediate delivery at 2c. for each crown.
F. Langenbach, Norwich, Conn.

10,000 Hydrangea Otaksa, pot grown, 3
in., 1 crown, \$5.00 per 100; 4 in., 2 to 6
crowns, \$10.00 per 100; 7 in., 8 to 12
crowns, \$35.00 per 100; 9 in., about 20
crowns, 50c. each. Cash. F. Sokol, Col-
lge St., Worcester, Mass.

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., New York.

Kilmdead Tobacco Dust.

For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.

For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-lue Products.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

- Jerusalem Cherries, pot grown, loaded
with berries, 4 in., \$10.00 per 100. Cash.
F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Lenthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LAND LEVELS

- Bostrom-Brady Mfg. Co., Atlanta, Ga.

**LANDSCAPE GARDENING
COURSE**

- Home Correspondence School, Springfield,
Mass., Dept. 8.
For page see List of Advertisers.

LILIUM FORMOSUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

- F. B. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Daniel A. Clarke, Flskeville, R. I.
Pines and Berberis.
For page see List of Advertisers.
- Stuart Low & Co., Enfield, England.
For page see List of Advertisers.
- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

ORCHID PLANTS—Continued

- Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.

- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

- G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.

- Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Jullus Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Lenthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Jullus Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.
- Peonies—The best French collections.
List of new varieties now ready. Cata-
logues free. Dessert, Peony Specialist,
Chenonceaux, France.
- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHLOX

- H. A. Dreer, Inc., Philadelphia, Pa.
Hardy Perennial.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 486 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslin, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RAFFIA

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

- John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- R. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Charles H. Totty, Madison, N. J.
For page see List of Advertisers.
- Stuart Low & Co., Enfield, England.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- The Rose by H. B. Ellwanger, mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
- Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SCALECIDAE

- B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

A. C. Zvolanek, Bound Brook, N. J.
Winter Flowering Sweet Peas.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per
100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

VEGETABLE PLANTS

B. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1135
Broadway, N. Y.

VIOLETS

Violets—Princess of Wales, healthy,
field-grown, \$50.00 per 1000. Chas. Lenker,
Freeport, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Helton & Hunkel Co., Milwaukee, Wis.

William E. Hellischer's Wire Works, 33-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Moerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

B. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McMannus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 183 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.,
New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Slinn, New York, N. Y.
For page see List of Advertisers.

Philadelphia

Leo Niessen Co., 1200 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE FLORISTS—**Continued****Richmond, Ind.**

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**ANNOUNCEMENT OF AWARD.**

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

BULBS FOR FORCING.

Stumpp & Walter Co., New York, N. Y.
For page see List of Advertisers.

BUSINESS CHANGE.

Mrs. J. B. Freeman, Toledo, Ohio.
Heint.
For page see List of Advertisers.

CARNATION PLANTS.

F. B. Abrams, Blue Point, L. I., N. Y.
For page see List of Advertisers.

COLEUS BRILLIANCY.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

CYCLAMEN SEED.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

FANCY BASKETS.

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

HOME-GROWN BULBS.

John Lewis Childs, Floral Park, N. Y.
For page see List of Advertisers.

LETTUCE AND PARSLEY PLANTS.

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

NEW YORK FLOWER DELIVERIES.

Wm. H. Long New York, N. Y.
For page see List of Advertisers.

OPENING ANNOUNCEMENT.

S. S. Pennock-Meehan Co., New York City.
For page see List of Advertisers.

PLANT TUBS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

**SEASONABLE BULBS, CYCLAMEN
SEED.**

"Buds," New York, N. Y.
For page see List of Advertisers.

SUPERIOR BULBS.

Peter Henderson & Co., New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORIST.

W. P. Ford, New York, N. Y.
For page see List of Advertisers.

**WILD SMILAX, BRONZE AND
GREEN GALAX.**

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

In writing to Advertisers kindly mention Horticulture

List of Advertisers

ADV LIST ONE	Page	Kroeschell Bros.	Page	Tailby	Page	Ward, R. M. &	Page
Abrams, F. B.	339	Co.	427	Thorburn, J. M.	414	Co.	407
Advance, The Co.	427	Kuebler, W. H.	418	& Co.	413	Waterer, John &	
Allen, J. K.	418	Lager & Hurrell	398	Thurlow's, T. C.		Sons	400
American Nur-		Langjahr, A. H.	418	Sons, Inc.	400	Welch Bros.	416
sery	400	Lawrence, H. V.	414	Totty, Chas. H.	399	Wilson	414
Aphine Mfg. Co.	410	Leonard Seed Co.	413	Valentine, J. A.	414	Wood Bros.	399
Aschmann, G.	398	Leuthy, A. & Co.	399	Vicks, Jas. Sons	413		
Barnard, W. W.		Loug, W. H.	414	Vincent, R., Jr.		Yokohama Nur-	
Co.	413	Lord & Burnham		& Sons	399-413	series	409
Barrows & Son	398	Co.	428	Wadsworth, B.		Young & Nugent	414
Bayersdorfer, H.		Low, Stuart &		E.	399	Zangen, O. V.	413
& Co.	415	Co.	400-410	Wants. For Sale	424	Zinn, Julius A.	415
Beaven, E. A.	418	MacMulkin, E.	415				
Boblink & At-		Matthews	414				
kings	400	McCarthy, N. F.					
Boddington, A. T.	409	& Co.	418				
Boston Florist		McConnell, Alex.	414				
Letter Co.	415	McCray Refriger-					
Boston Plate &		ator Co.	415				
Window Glass		McCullough's, J.					
Co.	427	M. Sons Co.	416				
Breck, J. & Son	413	McHutchison &					
Breitmeyer's, J.		Co.	399				
Sons	414	McKellar, C. W.	416				
Bridgeman's Seed		McManus, Jas.	418				
Warehouse	413	Michell, H. F.					
"Buds"	408-413	Co.	412				
Burpee, W. A. &		Michigan Cut					
Co.	413	Flower Ex.	416				
Burr, C. R.	400	Millang, A.	418				
Buxton, Doane		Millang, Chas.	418				
Co.	427	Moninger, J. C.					
Carrillo & Bald-		Moore, Hentz &	427				
win	398	Nash	418				
Chicago Carna-		Morse, C. C. &					
tion Co.	399	Co.	413				
Childs, John		Murray, Samuel	414				
Lewis	412	N. E. Nurseries	400				
Clarke, Dan'l A.	400	Niessen, Leo Co.	416				
Clarke's, D.		Oechslein, Frank	399				
Sons	414	Ordenez Bros.	398				
Cowee, W. J.	416	Ouwkerke, P.	400				
Craig, Robt. Co.	409	Paethrope, P. R.					
Crawback, G. W.	418	Co.	425				
Crawford, H. F.	424	Palmer, W. J. &					
		Son	414				
Dards	414	Park Floral Co.	414				
Dingee & Conard		Parshelsky Bros.	427				
Co.	409	Peacock Dahlia					
Dorner & Sons		Farms	409				
Co.	399	Pennock-Meehan					
Dreer, H. A.	411-426	Co.	419				
Dunlop, John H.	414	Perkins St. Nur-					
Dysart, R. J.	417	series	399				
Edwards Folding		Peters & Reed					
Box Co.	416	Co.	426				
Ellwanger &		Pierce, F. O.	427				
Barry	409	Pierston, F. R.					
Elliott's, W.		Co.	410				
Sons	413	Pierston, A. N.	399				
Esler, J. G.	427	Pierston U-Bar					
Ernest, W. H.	426	Co.	428				
Fyres	414	Poehlmann Bros.	416				
Farquhar, R. &		Pratt, B. G.	425				
J. & Co.	413	Raedlin Basket					
Foley Mfg. Co.	427	Co.	416				
Ford, M. C.	418	Red Oak Nurse-					
Ford, W. P.	419	ries	409				
Fottler, Fiske,		Reed & Keller	418				
Rawson Co.	413	Reinberg, Peter	416				
Freeman, Mrs.		Rice Bros.	416				
J. B.	414	Rice, M. & Co.	405				
Freeman, G. L.		Richards Bros.	413				
Co.	398	Robinson & Co.	416				
Froment, H. E.	418	Rock, Wm. L.	414				
Galvin, Thos. F.	415	Rochrs, Julius					
Gloeckner, Carl		Co.	398-399				
R.	408-413	Roland, Thos.	399				
Greater N. Y.		Rolker, A. &					
Florists' Asso.	418	Sons	426				
Grey, T. J. Co.	413	Rosens	416				
Gude Bros. Co.	414	Sander & Son	398				
Hall Association	427	Schultz, Jacob	414				
Hart, Geo. B.	418	Scott, John	399				
Heacock, Jos.		Sharp, Partridge					
Co.	399	Co.	427				
Heini, Geo. A.	382	Sheridan, W. F.	418				
Henderson, P.	398	Siggers & Sig-					
Herbert	399	gers	426				
Hews, A. H. &		Skidelsky & Ir-					
Co.	426	win	413				
Hillinger Bros.	426	Slinn, B. S., Jr.	418				
Hill, The E. G.		Smith, E. D. &					
Co.	398	Co.	399				
Hitchings & Co.	428	Smith, P. J.	418				
Hoerber Bros.	416	Smith, W. & T.					
Home Corresp.		Co.	400				
School	424	Smvth, Wm. J.	414				
Horan, E. C.	418	Standard Plate					
Hunt, E. H.	425-426	Glass Co.	427				
Jacobs, S. &		Stearns, A. T.					
Sons	427	Lumber Co.	427				
Kasting, W. F.		Stump & Wal-					
Co.	418	ter Co.	407-425				
Kervan Co.	418	Synapse Pottery					
King Cons. Co.	427	Co.	426				
Krick, W. C.	418						

PERSONAL.

Charles Philpott has succeeded John D. Daly as gardener for Mrs. F. W. Andrews, near Newport, R. I.

The engagement of Charles C. Ball, florist, Wakefield, Mass., and Miss Sigrid H. Widell is announced.

Boston visitors: Paul Berkowitz, of H. Bayersdorfer & Co., Pila, Pa.; S. S. Skidelsky, Phila., Pa.

New York visitors last week included A. McDonald, gardener to J. B. Coryell, Menlo Park, Cal., on his way to Europe; Chas. O. Duncan, Elberon, N. J.; Chas. H. Vick, Rochester, N. Y. J. Fred Dawson, of Olmsted Bros., Brookline, Mass.; J. K. M. L. Farquhar, Boston; Wm. Plumb, Wellesley, Mass.

Percival Gallagher, of the firm of Olmsted Bros., Brookline, Mass., is at Charlesgate Hospital, where he underwent an operation for appendicitis last week. The case was for a time regarded as serious, but we are pleased to hear that Mr. Gallagher is now progressing satisfactorily and well on the road to complete recovery.

OBITUARY.

Mrs. John T. Allan.

A wide circle of friends will be grieved to hear of the death September 12 of Mrs. John T. Allan, wife of the well-known gardener at the John R. Drexel place in Newport, R. I. She had been in poor health for some time, but it was not until a few days before her death that her serious condition was made known. She was a woman of sterling qualities, always cheerful and well-liked by everyone with whom she became acquainted. She leaves one son, John T. Allan, Jr., who is attending high school. In respect to her memory the Horticultural Society sent a beautiful wreath to the funeral which was held September 14 and was largely attended by members of the Horticultural Society, and the gardening craft. The Society also at its meeting, September 13, appointed a committee consisting of the president, the secretary and the treasurer to draft resolutions of sympathy to Mr. Allen for his irreparable loss.

THE ASTER BEETLE.

A subscriber having had much trouble with this pest during the present season, asks what remedy he can use to overcome it.

In reply to a query which we accordingly sent to Amherst Experiment Station, Prof. F. L. Thomas writes as follows:

These beetles which are troubling your

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

LEARN WIRELESS and R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Davenport, Ia., Columbus, S. C., Portland, Ore.

WANTED—Two young men familiar with filling seed and bulb orders. State experience. Address K, Box 1721, New York Post Office.

SITUATIONS WANTED

POSITION AS FIREMAN.

In Nursey. Acquainted with steam fittings. JOHN P. CAREY, Fishers Court, Bath, Me.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserling good stock 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD, Montello Station, Brockton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

asters are probably a species of the so-called Blister Beetles, common on asters, goldenrod, etc. One of the best treatments is to spray with paris green, 1 pound to 150 gallons of water; or arsenate of lead, 2 pounds to 50 gallons.

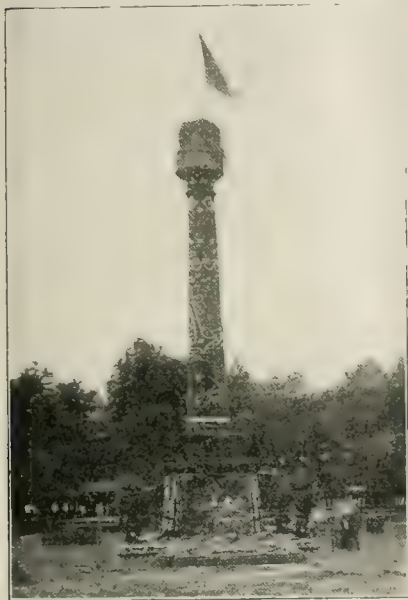
If you will kindly send specimens, we will be glad to identify them, and furnish you with information as to when the proper bulletins may be obtained. At present we have no available literature.

Photographs of recent table decorations by W. J. Palmer & Son, Buffalo, N. Y., have won first prize medal at the big Toronto exhibition.

During Recess

DAS SCHWAEBISCHE VOLKSFEST.

This annual reunion and festival looked forward to by a large section of the German residents of Brooklyn, N. Y., and neighboring Long Island communities, came off last week and was, as usual, a glorious success. This was the 34th celebration. All the time-honored features were there including the beautiful column composed of fruit and vegetables, fifty feet in height, constructed by Fred. Marquardt of Middle Village. This was the central adornment of the grounds and under the electric illumination at



THE HARVEST COLUMN
By F. Marquardt.

night was an object of great beauty, looking from a short distance like a wonderful piece of marble mosaic.

There was the usual competitive display of plant beds, cash prizes being awarded to the various exhibitors of beds as follows: Fred Marquardt, first for begonias, scarlet geraniums, celosias; second for coleus, pink geraniums; Charles Woerner, first for salvias, ficus; A. L. Miller, first for cannas; John Baumann, first for lantanas, mosaic carpet bed, pink geraniums; second on begonias, scarlet geraniums, mosaic carpet bed; Charles E. Koch,

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

first on ornamental foliage bed; second on cannas, ornamental foliage bed; H. Maenner, first on coleus; special prize for privet group; J. Dreier, third and fourth for mosaic carpet bed; second for asters; special prizes for begonias and for miniature landscape. The latter exhibit, a picture of which appears herewith, attracted as much attention as all the others combined, and was continually surrounded by a crowd of interested admirers. This attention on the part of the public points out distinctly a direction in which great possibilities exist as an attraction at our flower exhibitions. We look to see some triumphs in this line at the National Flower Show in Boston next spring. The unprecedented furore over the Messrs. Farquhar's Japanese garden at the spring show in Boston last year is still fresh in our minds. The idea is little short of a gold mine if cleverly handled.

A. F. Schrader has served as superintendent of the Volksfest for the past 17 years.

NEW ORLEANS HORTICULTURAL SOCIETY.

The model plant of the Standard Brewing Company was visited yesterday afternoon by thirty-five members of the New Orleans Horticultural Society last week as guests of John Bruestle, brewmaster, who has just returned from an extensive trip abroad. Richard Eichling, president of the society, expressed the appreciation of the members when the guests and hosts were at the luncheon, which was one of the enjoyable features. Mr. Eichling said florists were good judges of beer, and the kind they were drinking met with their approval. The florists were shown the buildings and the cellars, which were welcome on the warm day.

Before the party left, C. W. Eichling thanked Mr. Bruestle in the name of the members for the pleasure he gave them in taking them through an industry of which the city might be proud. Mr. Eichling proposed a toast to the brewmaster and

his associates. Mr. Bruestle responded, assuring the guests that they were always welcome.

BAR HARBOR HORTICULTURAL SOCIETY.

The first annual field day of the Bar Harbor Horticultural Society was held at the Eden Fair grounds, Bar Harbor, Me., on Thursday, Sept. 8. This was the first event of its kind, and though gotten up at rather short notice, there was an elaborate program and a good time was enjoyed by all who attended. The events included a hundred-yard dash, fat men's race, married men's race, single women's race, married women's race, boys' race, girls' race, sack race, wheel barrow race, 220-yard dash, putting shot, throwing hammer, quoiting, potato race, running high jump, running broad jump, hop, step and jump, tug of war, baseball and football.

New York.—A. J. Guttman has given up the wholesale florist business and vacated the store at 34 W. 28 street.

KILMDEAD

The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs. \$1.00	100 lbs. \$ 2.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	5000 lbs. 92.50

Swamp & Walter Co. 50 Barclay St., New York.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.



MINIATURE LANDSCAPE
By J. Dreier.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

If you want your greenhouse benches to last;

If you want to lessen repair expenses;

If you want an up-to-date plant;

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We will tell you just how to do it. We will furnish you the molds. Write for full particulars and we will tell you all about it. No expensive labor to hire—you do the work.

E. H. HUNT, 76 Wabash Ave., CHICAGO, ILL.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Columbus, Ohio.—The Cottage Rose Garden establishment has been leased by H. W. Kropp.

Berlin, Conn.—James Smith of Wallingford, Conn., has purchased the greenhouse of L. W. Gwatkin.

Sherman, Tex.—The Texas Nursery Co. has filed an amendment increasing its capital stock from \$50,000 to \$100,000.

Rockland, Me.—Walter O. Frost of Munising, Mich., has purchased the Billings Greenhouses and florist business.

Alton, Ill.—H. G. Evans, formerly with the Idlehour Greenhouses, St. Louis, Mo., is now manager for J. F. Ammann.

Dubois, Pa.—Hayward & Jones, florists and seedsmen, have dissolved partnership, Wm. G. Jones continuing the business.

Norristown, Pa.—Adolph Muller, under the name of the De Kalb Nursery, will establish a nursery here on De Kalb street.

Baker City, Ore.—The Centre Street Greenhouses, formerly the property of Ira B. Sturges, are now owned by W. A. Sisson & Co.

Mena, Ark.—Thirty acres of land near here have been purchased by J. M. Moreland of Paris, Tex., and he expects to establish a nursery.

Iowa City, Ia.—The Ranney Greenhouse has been purchased by A. G. Prince and is being removed to his place on Summit street. It will be used for a display house.

Aurora, Ill.—Plans for a greenhouse 25x61 feet, intended for installation in the city park, are now out. It is the intention to use it for producing flowers and plants for use in the parks.

Irvington, N. J.—E. W. Fengar is just completing a new King Construction house 54x190, with Kroeschell heater. Stearns 32 ft. bars, without splice, were used and Mr. Fengar is greatly pleased with them.

Youngstown, Ohio.—Park Superintendent Lionel Evans urges upon the park commission the need of a conservatory in Wick Park. The estimated cost of a building such as he advises will be about \$10,000.

North Abington, Mass.—The Bay Street Nurseries have about com-

pleted their new packing house. The building is located on a side track just installed, where all shipments can be put directly into the cars.

Menlo Park, Cal.—The interests of the late M. Lynch have been incorporated under the title of the Lynch Nursery Company. They will carry a full line of cut flowers, palms, trees, shrubs, seeds, bulbs, and all descriptions of nursery stock.

GREENHOUSES BUILDING OR CONTEMPLATED.

Pana, Ill.—Pana Greenhouses, one house.

Milwaukee, Wis.—John C. Rost, one house.

Clayton, Mo.—Eliza Anthon, one house.

Rockford, Ill.—Leonard Lawson, one house.

Hoffmans, N. Y.—J. C. Hatcher, addition.

Bowmanville, Ont.—S. J. Jackman, range of houses.

Topeka, Kan.—Edward G. Bass, range of houses.

Kirkland, Wash.—J. J. Bonnell, range of houses.

Clinton, Mass.—Willis A. Fuller, house 40x130 feet.

Oreland, Pa.—Frazer Harrison, house 20x100 feet.

Missoula, Mont.—The Missoula Nursery Co., addition.

Sabatha, Kan.—C. H. Marshall, 75 foot house this fall.

Albany, N. Y.—B. C. Holmes, two chrysanthemum houses.

Stoneham, Mass.—E. K. Farr, one carnation house, King construction.

Austin, Tex.—A. J. Seiders, propagating house 6x100 feet and a work shop 12x16.

Philadelphia, Pa.—Godfrey Aschmann, house 12x75 feet, Lord & Burnham Co. material.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$1.26
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
	HAND MADE
1500 3 1/2 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	40 10 " " " 4.80
500 4 " " " 4.40	24 11 " " " 3.60
450 4 1/2 " " " 5.24	24 12 " " " 80
320 5 " " " 4.5	12 14 " " " 4.80
200 5 1/2 " " " 3.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent. off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our

Florist' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."


SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Holds Glass Firmly
See the Point of
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DEER,
714 Chestnut St., Phila., Pa.

FULL SIZE
N° 2



KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

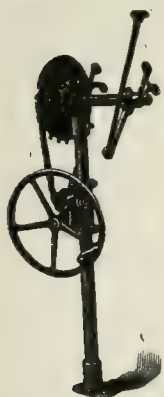
KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it, taking into account all the conditions.

When a man knows his greenhouses will stand he is at liberty to put all his time and thought to growing things, and that is what he wants to do.

Write for our Bulletins.

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

**The FLORISTS' HAIL ASSOCIATION
OF AMERICA**, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

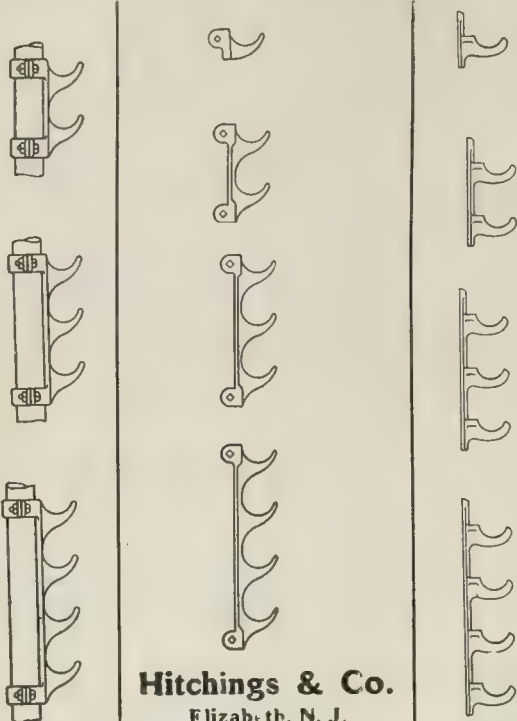
Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

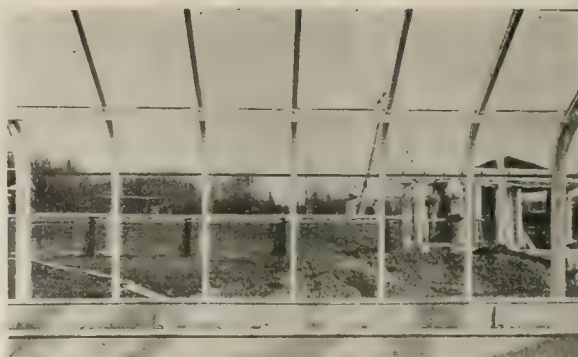
16 Midway St., Boston, Mass.
Telephone, Fort Hill 2475

PIPE HOOKS

Every kind for every purpose where pipe hooks are needed in green house heating. Not the usual brittle cast, cheaply made hooks. Every one of them is made in our own foundry by our own men, so that we know just the kind of hooks we are selling to you. Send for circulars and prices.



Hitchings & Co.
Elizabeth, N. J.



Curved Eave

We build it in a way that is thoroughly practical — no question as to its durability — no doubt of its being the logical way to construct it. You will find it fully described and illustrated in the Advance Pages to our new catalog. Don't decide on any other Curved Eave construction until you know ours from A to Z.

Lord & Burnham Co.

Irvington, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Hed Bldg.	The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

SEPTEMBER 24, 1910

No. 13



CHAMPION DECORATED FRUIT TABLE
Shrewsbury Show, England

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US!

LET'S KNOW U!

Success Brings Success

If we didn't deserve our big and gaining business, it would not be big and it would not be gaining.

People eventually learn where fullest values may be had — some take longer than others to find the right place, but as more are coming to us every year, we believe our theory is proven.

If you have had no personal experience with our way of doing business, we respectfully but firmly urge an immediate investigation, for this is the timely time.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Importers — Manufacturers — Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, *O. Marshallianum*, *O. Fobesii*; *Laelia purpurata*, *L. cinnabarina*; *Cattleya citrina*, *Odontoglossum grande*.

CARRILLO & BALDWIN,
Mamaroneck, New York.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, *Araucaria Excelsa*, *Compacta Robusta*, *Excelsa Glauca*, *Kentia Belmoreana* and *Forsteriana*, also Ferns, *Begonia Gloire de Lorraine*, etc.

Write for Prices.

BOSTON FERNS, 2 1/4 inch \$30.00 per 100.

WHITMANI, 2 1/4 inch \$5.00 per 100; \$40.00 per 100; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ORCHIDS

Cattleyas, *Dendrobiums*, *Laelias*, and *Odontoglossums*

G. L. FREEMAN CO.
Fall River Mass.

JAPANESE CO.
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

STUART LOW & CO.

BUSH HILL PARK
MIDDLESEX, Near LONDON
ENGLAND

VINES IN POTS.

FRUIT TREES IN POTS.

CLIMBING ROSES, 10 to 14 feet long, in Pots.
FRUIT TREES, for Garden and Orchard Planting.

Get Our List and Prices**BOBBINK & ATKINS**

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of thoroughly tested hybrids.

For Forcing Purposes we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

EVERGREENS

For September Planting

	Per Doz.	Per 100
American Arbor Vitae,		
4-5 feet.....	\$7.00	\$60.00
3-4 feet.....	6.00	50.00
	Each	Per Doz.
Golden, 18-24 in....	\$0.50	\$5.00
Pyramidal, 18-24 in..	.50	5.00
Cypress Lawsonia,		
2-3 feet.....	.75	7.00
18-24 in.....	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis,		
18-24 in.....	.75	8.00
Picea Excelsa, 4-5 ft..	1.00	
	Per Doz.	Per 100
Picea Excelsa, 3-4 ft..	\$6.00	\$40.00
" " 2-3 ft..	4.00	25.00
" " 18-24 in..	2.50	15.00
	Each	Per Doz.
" Pungens Glauca Koster		
True Blue, 2-2½ ft..	\$2.50	\$24.00
True Blue, 18-24 in..	1.50	15.00
True Blue, 12-18 in..	1.00	10.00

Roots dug with ball and burlapped
10c. extra.

CALIFORNIA PRIVET.

	Per 100	Per 1000
3-4 feet and up.....	\$4.50	\$35.00
2-3 feet and up.....	3.50	30.00
Berberis Thunbergii,		
18-24 in., very bushy	10.00	80.00
12-18 in., very bushy	8.00	60.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO., The Burr Nurseries
MANCHESTER, CONN.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Two of My Specialties

FOR FALL DELIVERY

Pinus resinosa	100	1000
8-12 inch transplants,	\$20.00	\$180.00

Berberis Thunbergii

15-18 ins., extremely bushy,	8 00	75 00
18-24 " " "	12 00	90 00
24-30 " " "	15 00	120 00

These plants are strong, healthy, shapely, well-rooted and in every respect first grade specimens.

DANIEL A. CLARKE

Red Oak Nurseries

FISKEVILLE, - - R. I.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

PHLOX

Extra Heavy, field-grown plants,
\$6 00 per 100; \$50 00 per 1000.

Madam Meuret, Stella's Choice,
Madame Pape-Carpentier, Le Pole
Nord, etc.

Send for Sample

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 215 Jane St., Woburn, Mass.
P. O. No. 1, Hobeoken, N. J.

Seasonable Notes on Culture of Florists' Stock

AURACARIAS

To the many individuals who are pleased by absolute symmetry, doubtless there is not another plant with more character than the araucaria. As a decorative plant, it bears the reputation of being one of the most serviceable in the entire list. Araucarias are exceedingly popular during the time of the holiday business. Now is a good time to get your supply, as you can have your pick now. They want abundant ventilation and care in watering, with a bouyant atmosphere. They should now be afforded an elevated position where they will get lots of light so as to impart a compact and nicely rounded form. If well pot-bound, liquid stimulants will be found quite a help in giving a superb color to the graceful foliage of this diminutive tree, but they should be used with the greatest caution, so as not to go beyond the safety limit. They do well when grown in a temperature of 50 degrees.

AZALEAS

These will soon arrive. The best varieties for early forcing, which can be had in bloom by Christmas, are Mme. Petrick, double pink; Deutsche Perle, double white; Simon Mardner, double pink; Vervaeneana, double variegated rose, and Apollo, red. These, when received, should at once be potted up, while those intended for later forcing can for the present be plunged in soil in a deep frame until you have time to pot them. Some of these specimens will need root trimming in order to use the usual sizes of azalea pots, which are from 6 to 8-inch diameter. Before potting the ball of roots should be dipped for two or three minutes in a tub of water. This gives full assurance of getting them thoroughly wet through. Any good grade of potting soil can be used. See that the soil is firmly hammered all around the ball and pot. The varieties that are wanted for early forcing can be stood in a cool and shaded place for a few days, and then placed in heat immediately after. Start with a temperature of 60 degrees at night, and increase up to 70 degrees if necessary in bringing backward ones out in time. While under forcing they will need ample quantities of water at the roots and in the form of sprinkling. Harden them off several days before wanted by placing in a cooler house.

LIFTING SHRUBS FOR FORCING

The raising of home-grown shrubs for forcing is successfully done on a good many places now. In former days it was the practice of florists to wait until the leaves fell from the shrubs before attempting to pot them up for forcing. But they can be dug and potted now, and it will give them time to get rooted and established before winter. Lift shrubs with all the roots possible. Pot them firmly, and water thoroughly and keep sprayed for a week or so. With this treatment they will soon take hold of the new soil, and make a nice lot of roots. They can be left out until hard freezing to allow them to fully ripen up their wood. As winter sets in they can be plunged in an outdoor frame until wanted. To have success with shrubs a great deal depends on how the stock has been grown and prepared before they are forced. The principal

shrubs for florists' use are, spiracas, snowballs, deutzias, rhododendrons, lilacs, double and semi-double flowering plums, cherries, almonds and Japan quinces.

MASDEVALLIAS

The best season for repotting and basketing these orchids is from October to December, as the weather is getting cooler and the plants will not be so liable to suffer from being disturbed. Moreover, a good many of these plants will now, or soon, be sending forth their new roots and fresh material now will give them a good start. A good general mixture is made of clean peat fibre and sphagnum chopped rather fine. Work in the compost carefully, but rather firmly around the old roots, taking care not to injure the younger ones. If desired, with the exception of the Masdevallia Chimara section, they will all grow well in pots. Let the plants stand slightly elevated above the rim of the pots so as to shed the surplus water from the crown. The M. Chimara section should be grown in baskets without drainage, as in a majority of cases the flower scapes are pendulous and often grow directly down through the compost. Give a temperature as near as possible to 55 degrees at night. The plants enjoy a bright location, but must be shaded from direct sunlight; where the house has a northern aspect shading is unnecessary. Masdevallia coccinea, macrura, bella, Carderi, Schlunii and Chestertoni are good kinds to grow.

POINSETTIAS

All these plants should now be repotted for their last time, as any disturbance of the roots later on has a tell-tale effect which greatly lowers their holiday value. Poinsettias are also more exacting in the matter of heat than many other plants and if you want large sized bracts of intense brilliancy don't let the temperature fall below 65 degrees at night. They will be better if kept near the 70 mark and in the sunniest house. They should be regularly fed twice a week with liquid manure, for their well being.

ROSES

When the temperature begins to go below 50 degrees outdoors, a little heat will prove very beneficial as it prevents condensation by keeping the air in the house circulating. The ventilators should be kept open at least 2 or 3 inches for some little time yet. Only on bright days should syringing be done, and, when doing it, see that it is thoroughly done so as to keep red spider in check. A mere wetting of the plants will not suffice. Keep the benches clean by going over them at least once a week, if possible. It is better to keep the benches on the dry side until heavier firing begins or they are sure to become wet and soggy on the bottom. Disbudding should be regularly attended to now, otherwise the buds will be small and inferior. In order to keep your house clean of greenfly, fumigation should be practiced persistently now, as with the approach of cool weather greenfly will begin to be troublesome, and if neglected will soon overrun the house. The conditions favorable to satisfactory fumigation are a rather lower temperature in the house than the normal, or when the glass is colder than the house.

John J. M. Farrell

Mr. Farrell's next notes will be on the following:
Acacias; Canterbury Bells; Carnations; Herbaceous Perennials;
Nephrolepis; Polypodiums

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

HORTICULTURE

VOL. XII

SEPTEMBER 24, 1910

NO. 13

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Champion Decorated Fruit Table.	
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK — Araucarias — Azaleas — Lifting Shrubs for Forcing — Masedvallias — Poinsettias — Roses—John J. M. Farrell.....	433
A GREAT SHOW—Illustrated.....	435
FOUR DAHLIAS OF MERIT—Illustrated.....	436
CLUBS AND SOCIETIES:	
New England Dahlia Society.....	435
Gardeners' and Florists' Club of Boston—Detroit Florist Club—Royal Horticultural Society—George E. Browne, portrait—Nassau County Horticultural Society—Buffalo to Have a Flower Show—Elberon Horticultural Society	437
Philadelphia Dahlia Show—Club and Society Notes.	438
SEED TRADE:	
The Pea Crop—Corn and Beans—Vine Seeds—Encouraging Foreign Reports—Potatoes Short—Sweet Peas—Notes	444
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.....	446
Flowers by Telegraph.....	447
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago.....	449
Cincinnati, New York, Philadelphia, St. Louis.....	451
OBITUARY:	
George Wittbold, portrait—H. A. Tracy—Simeon Marshall—Frederick W. Flight—James McBean—Prof. W. M. Munson—Marie I. Dickinson.....	457
MISCELLANEOUS:	
For Parcels Post	439
Philadelphia Notes	439
Personal	439
Detroit Notes	442
Publication Received	442
Incorporated	442
Chicago Notes	447
News Notes	451-457-458
Greenhouses Building or Contemplated.....	458
The Aster Beetle.....	458

A backward step

We learn with regret of the failure of Mayor Breitmeyer of Detroit to receive the nomination for another term. It is a triumph for the politicians, we are told.

So much the worse for Detroit. We know Mr. Breitmeyer and know that he is the kind of man who cannot be used in any way by politicians or bosses. Such men are not overplenty in public life but when such independence and honesty are associated with capability and application, as in the case of Philip Breitmeyer, then the community which he serves makes a great mistake in allowing the heelers to force him out.

Time for action

The boss is a man of strong mentality usually—one whose abilities, if put to unselfish use would shine among his fellows. There are signs in plenty, however, that this era is passing. He doesn't always win out, now-a-days, and it disturbs him greatly. The boss may be individual or corporate and one is as execrable as the other. One of the worst of the latter, from which the American people have been suffering, is the express monopoly. Every individual who reads these lines and every member of his family has been paying heavy tribute every day for the enrichment of the managers of this and the transportation monopolies with which it has divided its loot. Were it not for the money power and influence of this boss we should have had long since, as other civilized nations have, a parcels post which would mean a huge saving annually to the people in the cost of transporting merchandise and in bringing comforts otherwise unattainable except to the few, within the reach of all. In our reading columns, this week, it appears that the Farmers' National Congress which is soon to meet at Lincoln, Neb., has undertaken an active campaign on behalf of a parcels post. The present time, when the politicians have their wistful ear to the ground as never before, is, as F. R. Pierson would say, the "psychological moment" for action and to draw the line between candidates who consult the people and those who consult only the bosses. We hope to see every florists' club and every horticultural association take it up in earnest and all help in the general onslaught.

Education will count

One of the most hopeful signs for the floriculture of the future is the notice which the florists are beginning to take of the agricultural colleges. Some of the brightest of the younger generation in flower growing and general horticulture are graduates from one or the other of these institutions, and proud of the fact. The old prejudice against the education gained from books and study seems to have largely disappeared and the florist who wishes to have his sons follow successfully the business in which he is engaged today recognizes a college course as one of the essentials in a proper fitting for the work. No man can make rules for himself or for another which will always assure success in any crop. It is possible, however, to reduce the contingency of failure to a minimum by a thorough understanding of the laws of Nature, and the young man who starts out with the resourceful, scientific knowledge which the agricultural college instructor is prepared to impart has very much in his favor as compared with his competitor who learns only from experience what to do, with little knowledge and very often little care as to why he does it. Floriculture has now become too important an industry to be content to struggle along under the methods that prevailed a generation ago, and he who aims to make his mark in the art now or hereafter, must utilize all the help that science makes available. And if the agricultural institutions of his State are not providing this it is "up to him" to make the demand. Wherever this has been done the response has thus far been all he could ask.

"A haze on the far horizon,
 The infinite, tender sky,
 The ripe, rich tint of the cornfields,
 And the wild geese sailing high,—
 And all over upland and lowland
 The charm of the goldenrod,—
 Some of us call it Autumn,
 And others call it God."

—William Herbert Carruth.

A GREAT SHOW.

Shrewsbury Show has well been called the "Mecca" of British horticulture, for at no other show can be seen such a fine display of fruit, vegetables and flowers, nor can any other society offer such liberal prizes. \$5,500 was awarded this year in cash prizes, besides many silver cups, gold and silver medals, etc.

The Shropshire Horticultural Society started its great show 36 years ago on a small scale and each year has seen a steady advance. This year's receipts at the gates were £3,105 15s. (\$15,528).

Our first picture (cover illustration) shows the champion decorated table of fruit exhibited by the Duke of Westminster (gardener, N. F. Barnes), which won the \$100 prize and also the silver cup, value \$130. There were five entries in this class. The schedule calls for "30 dishes of ripe fruit, not less than 10 distinct kinds to be staged on separate tables 10 ft. 6 in. by 4 ft. 6 in." Special prizes are offered for decorations. Vegetables are always a feature of this show. All the leading nurserymen offer special prizes for produce grown from their own seeds. Our second illustration is of the leading collection of vegetables—12 distinct kinds—shown by Hon. Vicary Gibbs (gardener, E. Beckett). The first prize for this is \$50.

The third picture is a portion of one of the large groups, open to the trade or private growers, composed of miscellaneous and fine foliage plants in and out of bloom, arranged to produce the best effect and occupying a space of 250 sq. ft. This was exhibited by J. Cypher & Sons, and secured the first prize of \$125, four groups in all being staged.

The show is usually held the third week in August and lasts two days only. Anyone wishing to see it all has to hustle.

Numerous other attractions can be enjoyed when one tires of feasting the eyes on nature's products, each day



FIRST PRIZE GROUP OF FOLIAGE AND FLOWERING PLANTS
Shrewsbury Show.

finishing up with a great display of fireworks.
G. H. PENSON.

NEW ENGLAND DAHLIA SOCIETY.

The annual exhibition of this society held at Horticultural Hall, Boston, on September 14, 15 and 16, was very fine in every particular and a monumental credit to its promoters. The large hall was well filled with superb blooms of which there must have been no less than 5,000, the majority shown singly in small vases and with name attached to each variety. Not only were the flowers of a very high order of excellence and finish, but much taste was shown in most of the displays in the arranging, balancing and contrasting of colors. There were tall

vases at intervals, containing long-stemmed flowers in masses which aided in relieving the monotony of the regular show tables, and E. W. Ela contributed a decorated table which made an effective centre attraction in the loggia over-looking the main hall. The judges were J. K. Alexander of East Bridgewater, and E. F. Dwyer, of Lynn. The public were admitted free and they came in throngs. The show was a brilliant panorama worthy of the popular garden flower.

Among the largest contributors were E. W. Ela, J. K. Alexander, Fottler, Fiske & Rawson Co., W. D. Hathaway, N. A. Lindsay, J. P. Bodge, Mrs. L. M. Towle, Lindvall & Delury, G. H. Walker, W. D. Moon, A. A. Bassett, Geo. B. Gill and W. F. Hall. Many of the most prominent exhibitors did not enter into competition.

Of the various classes, the cactus varieties were most prominent. As compared critically with the flowers of previous years, a very noticeable advance was in evidence in the newer varieties as to brilliancy of color, length and finish of petal and in the divergent grouping which is continually going on, whereby it would seem that eventually sub-classes will have to be made in this variable section.

The show section held its own in all respects and there is abundant evidence that despite the growing popularity of cactus and decorative, this prim old favorite still has a strong hold on the heart of the dahlia fancier. Of singles and pompons very few were shown. Fancies were also scarce. Decorative came next to the cactus in importance and many wonderful new colors and characters were seen in this bold and fascinating type. There were not so many of the sensational peony-flowered class on display as would be expected at so large and general a show.

The Massachusetts Horticultural Society again manifested its open-handed generosity in placing its hall, tables, vases and other facilities at the disposal of the Dahlia Society.



FIRST PRIZE COLLECTION OF VEGETABLES.
Shrewsbury Show.

FOUR DAHLIAS OF MERIT.



W. W. RAWSON



MRS. GORDON ABBOTT



MRS. STUYVESANT FISH



GOVERNOR GUILD

Mrs. Stuyvesant Fish, Decorative.

Color, deep amber. The first decorative dahlia of this color. Flower often seven inches in diameter. The plants grow four feet high and with fair treatment produce masses of flowers quite early in the season.

W. W. Rawson, Decorative.

Considering formation of flower it appears to be a cross between Grand Duke Alexis and Mrs. Roosevelt. It has thrown off the stiff formation of

the first, retained the more flatly fluted petal of the latter but improved the appearance by being more compact, as it contains more petals to the individual flower. The flower measures six to seven inches in diameter. Color, white overlaid with amethyst blue. The plants grow very bushy, four feet high and are most floriferous.

Mrs. Gordon Abbott, Fancy.

A giant in size and distinct in coloring. Color golden, mottled, speckled

and striped intense scarlet. The outer petals flatten when flower comes to perfection, giving it a larger appearance.

Governor Guild, Show.

Color, snowy white. Exquisitely fluted petals, giving the flower a far more graceful appearance than Show Dahlias usually have. The spread of the flowers is five inches. They are borne on erect very long stems and appear far above foliage.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB
OF BOSTON.

The first regular meeting for the fall season was held at Horticultural Hall, Boston, on Tuesday evening, September 20. There were about 150 members present. The main features of interest were the talks retrospective on the Rochester S. A. F. convention, and prospective on the Boston S. A. F. National Flower Show. Messrs. Peter Fisher, M. A. Patten, Thos. J. Grey and W. H. Elliott, told in entertaining manner of their experiences at Rochester and on the way thither, enlarging enthusiastically on the hospitality enjoyed at the hands of the Rochester hosts. Secretary Craig gave an interesting account of his recent visit to Bar Harbor, Me., where he spent a very enjoyable week. The committee on entertainment of visitors at the National Flower Show next March, reported progress and promised interesting details for the October meeting.

There were some interesting exhibits including the following: *Buddleia variabilis*, from L. G. Van Leuwen; H. T. roses, from G. Bleicken; *Pentstemon hybrida* and *Dendrobium Dearii*, from Duncan Finlayson; a vase of oats brought from Nova Scotia by Eber Holmes, to show how well they grow that staple down east. Mr. Finlayson was given honorable mention for his *Dendrobium Dearii*.

DETROIT FLORIST CLUB.

The first meeting of the club was very well attended and the able papers of M. Bloy on observations at the last S. A. F. convention fully justified the large attendance. His remarks naturally commented upon the many exhibits and while a repetition here may not be proper, they proved conclusively not only the advisability but the actual necessity of every live florists' attending the annual convention. Mr. Bloy spoke with great admiration of the committee of arrangements which under most adverse circumstances managed to stage the many exhibits.

The programme for the coming year as compiled by the essay committee was adopted and offers:

Sept. 19. M. Bloy—Observations and benefits to be derived by attending the S. A. F. convention.

Oct. 3. Frank Danzer—Sidelights on the 20th Century school gardens.

Oct. 17. Progressive pedo and refreshments.

Nov. 7. Robt. Rahaley—The Commissionman.

Nov. 12. Chrysanthemum show.

Nov. 21. Fred. Pautke—Chrysanthemum culture.

Dec. 5. E. A. Fettes—The coming holidays from the retail standpoint.

Dec. 19. E. A. Scribner—Growers and wholesalers through the glasses of the retailer.

Jan. 1. A. Pochelon—Discussion of holiday trade.

Jan. 16. Ladies' night and dance.

Feb. 6. Irving Bertermann—Retail trade.

Feb. 20. Paper by E. A. Skidelski.

March 6. Ferd. Kolbe—Carnation culture.

March 20. Paper by Herman Knope.

April 3. Barney Meyers—Wooden benches or concrete benches.

April 17. Review of Easter trade.

May 1. Robt. Unger—Bedding plants.

May 15. Address by Philip Breitmeyer.

June 5. Smoker.

June 19. Address by H. B. Dörner.

July 17. Outdoor meeting.

Aug. 7. Election of officers.

FRANK DANZER.

ROYAL HORTICULTURAL SOCIETY

At the meeting on August 30, the most noteworthy exhibit was a collection of new plants collected in China by E. H. Wilson, some 700 specimens in all. Many of these have already been described in Mr. Wilson's contributions to *HORTICULTURE*. Many dahlias were staged by trade exhibitors, the Cactus section seeming to maintain its pre-eminence.

A first-class certificate was awarded to *Cattleya Rhoda*, Fairlawn variety, shown by H. S. Goodson. The flower has petals and sepals of reddish purple having a bronzy shade; the lip broad, claret crimson, with lines of golden yellow emanating from the base—a beautiful hybrid. E. V. Low showed *Cattleya Adula*—Vale Bridge variety, the flower very large, more especially the lip; the petals and sepals are of rose and the lip magenta; an award of merit. Lieut.-Colonel Sir G. Holford, showed *Laelio-cattleya Golden Oriole* var. *tigrina*, a beautiful hybrid from L. C. Charlesworthii x C. Dowiana. The flowers possess a chrome-yellow ground with deep Indian red over the spaces between the veins. The labelum is of a ruby color, veined with yellow from the base upwards; an award of merit. The last named amateur likewise showed *Cattleya Hardyana*, Holford's variety, which won an award of merit.

FREDERICK MOORE.



GEORGE E. BROWNE

President-elect Detroit Florist Club.

The gentleman whose portrait appears herewith was a charter member of the club which has now honored him with the presidency and ever since has been a consistently loyal supporter of the organization in all its activities. He has been connected with the greenhouse business since 1898. His carnations are recognized as among the best in the Detroit market and the same thoroughness which is characteristic of his business is expected in his management of the club's affairs. Mr. Browne is 40 years old.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of this Society was held at Glen Cove, Wednesday, September 14. Winners of the monthly prizes were as follows: Melons, S. J. Trepass; peaches, J. Duthie; apples, G. Wilson; cultural certificate to Mr. Johnson for onions of enormous size; honorable mention to G. Barton for pears, and F. Petroccia for celery. Prizes for next meeting will be for 12 gardenias, 12 peony-flowered dahlias and best head of cabbage.

In the afternoon, a stereopticon lecture was given at the opera house to members and friends of the Society by J. K. M. L. Farquhar of Boston. The views were exceptionally fine; it was just like walking across the finest gardens of Europe, with a guide explaining the different places, Mr. Farquhar was so much at home with his subject, going into the most minute details of everything of interest to horticulture, and giving us a complete history of gardening from its earliest stage up to the present date. A hearty vote of thanks was extended to the lecturer for giving us such a treat and coming all the way down from Boston to do so.

O. E. ADDOR, Cor. Sec.

BUFFALO TO HAVE A FLOWER
SHOW.

Along about the time cold weather arrives this fall, Buffalo is to have a flower show, and the members of the Buffalo Florists' Club who have it in charge are working and planning to make it the most attractive exhibition ever seen in Buffalo. The show will be held at Convention Hall, November 2-3-4 and 5, and preliminary arrangements for the entry of exhibits indicate that the big hall will be one mass of beautiful blossoms while the show is in progress.

Wm. F. Kasting, general chairman, has announced the appointment of the various committees that are to carry out the plans for the show. The committee contains the principal wholesale and retail florists of Buffalo.

Executive Committee—Wm. F. Kasting, W. J. Palmer, S. A. Anderson, Chas. Sandiford, Chas. H. Keitsch, David Scott and J. F. Cowell.

Show and Hall Committee—Geo. McClure, Jr., Chas. T. Guenther, Chas. Keitsch and Wm. B. Scott.

Press Committee—W. A. Adams, Edw. Slattery, O. G. Gilles, Robt. Scott and Albert Keitsch.

Music Committee—J. R. Cloudsley, J. Benson Stafford and Jos. Sangster.

Finance Committee—Wm. F. Kasting, W. J. Palmer, S. A. Anderson and Louis Neubeck.

Reception Committee—Jos. Streit, Pres. Buffalo Florists' Club, and 25 other members whose names will be announced later.

ELBERON HORTICULTURAL
SOCIETY.

The Elberon Horticultural Society held a meeting on September 19. A. Bauer read a report on the clambake which was very satisfactory financially and otherwise. All members of the Society are advised to be present at the next meeting as the nomination of candidate for officers will take place. Wm. Tricker, Arlington, N. J., was awarded a certificate of merit for a new aster. St. Egwin.

Get Ready NOW to Sell Palms for Use Indoors this Winter

There's this beauty about selling well-grown Palms: the demand is steady. Palms are just as good for indoors as for porch and lawn decoration—and now that your customers are commencing to "live inside" more, you have a splendid opportunity to handle our Palms and make money with them.

They are grown right here in our own houses, from the seed, by men who know how; they are clean, healthy, vigorous plants, and will give the best of satisfaction—both to you and your customers. Let us fill your order for some of them; we have an excellent stock and will ship promptly, and if you order at once, we can still forward by freight, saving you the heavy express charges that you'll have to pay if you wait till frost. Here are our prices—may we not hear from you NOW?



ARECA LUTESCENS				Kentia Belmoreana				Made-up Kentia Forsteriana			
Pot	Plants	In. high	Each	Pot or Tub	L'ves	In. high	Each Doz.	Tub or Plants	In. high	Each	
6-in.	3	26 to 28	\$1 00	7-in.	6-7	34-36	2 50 30	7-in.	4	36	\$2 50
7-in.	3	30 to 32	2 00	7-in.	6-7	36-38	3 00	7-in.	4	36-40	3 00
8-in.	3	36	2 50	7-in.	6-7	40-45	4 00	Plants in tub			
8-in.	3	42	3 00					9-in.	4	42-48	5 00
COCOS WEDDELIANA				Kentia Forsteriana				9-in.	4	4-ft. h'vy	6 00
Pot	In. high	Per 100		Tub	Very h'vy	Each					
2½-in.	8 to 10	\$10 00		9-in.	6-7	42-48	\$5 00				
2½-in.	10 to 12	15 00		9-in.	6-7	48-54	6 00				
KENTIA BELMOREANA				9-in.	6-7	5-ft.	8 00				
Pot	L'ves	In. high	Doz. 100	KENTIA FORSTERIANA							
5-in.	6-7	18	\$6 00 \$50	Pot	L'ves	In. high	Each Doz.				
			Each Doz.	6-in.	5-6	28-30	\$1 00 \$12				
6-in.	6-7	22-24	\$1 00 \$12	6-in.	6	34-36	1 50 18				
6-in.	6-7	24-26	1 25 15								
6-in.	6-7	26-28	1 50 18								

"WHEN IN PHILADELPHIA, BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

Railway Station: Jenkintown

PHILADELPHIA DAHLIA SHOW.

The annual Dahlia show of the Pennsylvania Horticultural Society, was held at Horticultural Hall, Phila., on the 20th inst. An excellent display was made both by commercial and amateur growers. R. Vincent, Jr. & Sons, of White Marsh, Md., had the premier exhibit in the commercial class—putting up an excellent display of over fifty varieties—all of them showing high culture and of the most up-to-date varieties. Herbert & Son, of Atco, also put up a good exhibit. Wm. F. Bassett, of Hammonton, was the leader from that great dahlia section. For the latter, it was conspicuously announced that the S. S. Pen-nock-Meehan Co. were the wholesale distributors.

Among the leading prize winners were the following: Gardner Cassatt, Berwyn, gardener Thos. J. Holland; Jno. W. Pepper, gardener Wm. Robertson; George I. Bodine, gardener George I. Morrow; Mrs. Chas. Wheeler, gardener Wm. Fowler; Miss Gertrude Ely, Bryn Mawr.

One of the best things in the show was the vase exhibited by Thos. Holland. These showed the finest culture and were excellent all the way through. Delice, one of the new shell pink decoratives was shown in fine shape by Wm. Robertson. A saffron in the same class by Herbert, also elicited much admiration. Vincent showed a seedling variegated—dark pink and white, apparently a good one, very free flowering, unnamed as yet. Robertson put up a fine vase of outdoor roses including Kaiserin Augusta Victoria.

CLUB AND SOCIETY NOTES.

President John M. Connon will pre-side over his first fall meeting when the St. Louis Florist Club meets on Thursday, October 13, in Odd Fellows' Building.

The tenth annual fall exhibition of the Lenox Horticultural Society will be held in the Town Hall, Lenox, Mass., Wednesday and Thursday, Oct. 26, 27, 1910.

The Engelmann Botanical Club of St. Louis will resume its monthly meetings in October. Meetings will be held in the Botanical Laboratory in the Central High School building.

The St. Louis Horticultural Society through its executive committee held its meeting on Tuesday afternoon, September 13. Fred H. Weber handed in his resignation as a member of the executive committee. The fall show matters were thoroughly discussed.

The St. Louis Retail Florists' Association held its monthly meeting, Monday, September 12, in the Knights of Columbus Hall. Some very important matters were disposed of. President Sanders presided and the attendance was satisfactory. The next meeting takes place Monday, October 3d.

A. B. Meserve, president of the Merchants' Association, and Dr. W. W. Arnold, president of the El Paso County Horticultural Society, have been named members of the committee to consult with the city authorities on the project for improving the streets and roads and beautifying the city. The other members of the committee so far appointed are: George A. Krause, Leonard E. Curtis and J. A.

Hayes. The plan is to have a more modern and more beautiful Colorado Springs.

The New York Florist Club Bowling Club has organized with twenty-six members and elected officers as follows: President, J. A. Manda; treasurer, J. B. Nugent, Jr.; secretary, J. A. Shaw. The dues are \$1.00 a month and \$5.00 for six months if paid in advance. The Albion Alleys, 115 West 23d street, near Sixth avenue, have been engaged for the season and bowling will be in order every Friday evening beginning September 30; also on the afternoon of the meeting nights of the Florist Club. O. V. Zangen offers a knife as a prize for the highest score, September 30.

Chicago—Teams were not chosen at the bowling meeting last week but it was decided to have the place of bowling at Bensinger's, 118 Monroe St. There will be another meeting this week and teams and captains will be chosen so bowling can begin next week.

NEWS NOTES.

Chicago Heights, Ill.—A new greenhouse establishment has been opened by G. A. Weberg at 192 Chicago Road.

Woodbine, Ia.—E. J. and E. E. Cole have purchased the business of W. D. Poage & Son and will be known as the Woodbine Floral Co. A. D. Curtis has been engaged as manager.

Sept. 19, 1910.

We are well pleased with your paper and renew therefore our subscription cheerfully. Enclose find money order. S. F. C., Oregon.

The cream of the crop in Japan is Horseshoe Brand Giganteum of superior assortment. This brand is selected and packed by men who know; the bulbs will average better per thousand than any brand known. The price is \$75 per 1000 for size 7 to 9 inches, no matter who you are or where you are or how many you buy. Every case is recorded and contains a certificate of origin. No other dealer gets this brand—it is sold exclusively from this office direct to the growers.



Not How Cheap
But How Good

RALPH M. WARD & CO.

12 West Broadway, New York

FOR PARCELS POST.

Following upon its big victory in the establishment of rural free delivery service in the '90s, the Farmers' National Congress, which will hold its thirtieth annual session at Lincoln, October 6 to 11, has undertaken a campaign for parcels post. Time after time the congress has adopted resolutions favoring parcels post and its more active officers have done much detailed work. With a victory in sight the congress hopes at the Lincoln convention to make a demand on the national congress that will result in something, the officials having come to the conclusion that a trial of parcels post on the rural routes only at first is a practicable object.

In its fight the Farmers' National Congress is seconded by the rural letter carriers themselves who, in several recent state meetings, have passed resolutions favoring parcels post. The rural letter carriers come in contact with thousands of individuals and are in a position to know what the people of the country want.

Several officials of the congress have visited Lincoln and have expressed their approval of the efforts that are being made to entertain the delegates to the congress during the October meeting. The congress is expected to draw 2,000 delegates to Lincoln from twenty-five or thirty states. The wide territory and even wider variety of interests represented make the resolutions of the F. N. C. matters of more significance than the resolutions passed by granges or societies of restricted areas. Another big boost will be given parcels post at the Lincoln convention.

PHILADELPHIA NOTES.

A special Dahlia show will be held in Michell's stores from Tuesday, September 27, until Friday, September 30.

Paul Huebner has had no vacation this year. Mrs. Huebner was near going the journey. Appendicitis. All safe now.

Maurice Fuld has now got well settled with the Michell Co. and likes the job. He is now located at 5302 Haverford avenue, Philadelphia, and will become a member of the Philadelphia Florists' Club at its next meeting.

Lloyd G. Blick and party were entertained through Philadelphia by Edward Reid. Atlantic seaboard points from Atlantic City to Maine are on the Blick auto program. Then Buffalo and other

points in New York, Pennsylvania and other states.

Charles S. Grey is now with Messrs. Habermehl at the Bellevue-Stratford. His intimate acquaintance with the wholesale business ought to make him a valuable acquisition to this great outfit in retail realms. We welcome him; and hope that he will not crowd the poor grower too hard, and that he will always recognize a good new thing when he sees it.

Visitors this week: Messrs. Graos & Gibson, of the Zieger Co., Pittsburgh, Pa.; Mr. and Mrs. P. Hobbs, Richmond, Va.; G. P. Mechlin of G. P. Mechlin & Co., East Liberty (late of Randolph & McClements, Pittsburgh, Pa.); L. G. Blick, Norfolk, Va.; Misses Mooney and Weir, Wilkesbarre, Pa.; H. P. Kelsey, Salem, Mass.; Robt. Pyle, West Grove, Pa.

PERSONAL.

A. Miller, lately with Vaughan's Seed Store, is now traveling for the Skidelsky-Irwin Co., of Philadelphia.

Miss Laura B. Dawson commenced her term as teacher in horticulture at

Groton, Mass., on Tuesday, September 20.

Richard Vincent, Jr., of White Marsh, Md., is booked for a lecture before the Florists' Club of Philadelphia, first Tuesday in October, and before the Gardeners' and Florists' Club of Baltimore on the second Monday. Mr. Vincent has a magnificent lot of lantern slides on the Holland bulb industry.

Cincinnati.—Wm. H. Gear is again on duty at his store, 15th and Vine, having returned from the Snow's, Sept. 15th. Mr. Herms and sister, of the Herms Floral Co., Portsmouth, O., were in the city the past week, visiting the Ohio Valley Exposition. Victor H. Thomas, Augusta, Ky., was also a visitor.

Visitors in Boston: A. Kakuda, of Yokohama Nursery Co., New York; H. S. De Forest, of Pierson U-Bar Co., New York; John Hall, secretary American Nurserymen's Association, Rochester, N. Y.; Frank McMahon and wife, Seabright, N. J., and D. Dean and wife, Little Silver, N. J., on a New England auto trip.

READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10000
FIRST SIZE BULBS, 13 ctns, and up.....	\$1.10	\$ 9.00	\$43.75	\$ 85.00
MONSTER BULBS, 14 ctns, and up.....	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctns, and up.....	2 50	20.00		

ROMAN HYACINTHS

	Doz.	100	1000
White, 12 to 15 ctns, 2000 to case	\$0.50	\$2.75	\$24.00
White, 13 to 15 ctns, 1500 to case .....	.75	3.25	30.00
White, 15 ctns, and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisli

5 x 7, 400 to case	\$0.75	\$5.00	\$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	\$1.25	\$ 8.50	\$75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

MAMMOTH BULBS.....	\$1.00	\$6.00	\$40.00
THICK PETAELED VARIETY	1.00	6.50	60.00

Stumpp & Walter Co.

50 Barclay Street,

NEW YORK

NEW ENGLAND QUALITY BULBS

DUTCH HYACINTHS

Uniform Price for first-size bulbs: 80 cts. per doz.; \$5.00 per 100.

SINGLE RED, ROSE AND PINK.

Charles Dickens. Delicate rosy pink.
Fabiola. Pink, striped crimson; extra.
Florence Nightingale. Salmon-rose and carmine.
Garibaldi. Brilliant crimson; very early.
General Pellissier. Intense deep crimson-scarlet.
Gertrude. Bright rosy red, compact spike.
Gigantea. Delicate shade blush pink.
Lord Macaulay. Bright rose carmine.
Moreno. Deep pink; immense spike.
Roi des Belges. Bright scarlet.
Rosea maxima. Delicate rose.

SINGLE WHITE AND BLUSH.

Albertine. Pure white; early; excellent forcing.
Angenis Christina. Pure white; extra fine.
Baroness van Thuyll. Pure white.
British Queen. Beautiful pure white flowers.
Grandeur a Merveille. Blush white; giant truss.
L'Innocence. Pure white; large truss.
Mme. Van der Hoop. Pure white; very large bells.
Paix de l'Europe. Pure white; large bells.
Voltaire. Creamy white; large spike.

SINGLE BLUE, PURPLE AND VIOLET

Baron van Thuyll. Deep blue; early.
Blondin. Beautiful shade of azure blue.
Captain Boyton. Sky blue; large spike.
Czar Peter. Light azure blue.
Grand Lilas. Silvery lilac; fine spike.
Grand Maitre. Dark porcelain blue.
Johann. Light blue; immense truss.
King of the Blues. Deep purplish blue. One of the best for forcing.
Leonidas. Bright blue; early; large truss.
Marie. Dark purplish blue; fine spike.
Pieneman. Dark porcelain; large bells.
Queen of the Blues. Beautiful azure blue; handsome truss.
Regulus. Deep porcelain blue.
Schotel. Light blue; immense spike.
William I. Very dark purple.

SINGLE YELLOW.

Ida. Pure primrose yellow; large spike; early.
King of the Yellows. Deep golden yellow.
McMahon. New; pure yellow; large broad spike.
Sonora. Buff; large bells and spike.
Yellow Hammer. A splendid pure yellow.

Early French Roman Hyacinths

White. 12 to 15 ctms. \$2.50 per 100; \$22.50 per 1000.
Blue. 12 to 15 ctms. \$3.00 per 100.

TULIPS

SINGLE EARLY

Duc Van Thol Varieties

This is the earliest class and especially suitable for indoor culture.

	100	1000
Crimson	\$1.50	\$12.00
Orange	1.50	12.00
Red and Yellow	1.00	9.00
Rose	1.75	15.00
White	1.25	10.00
Yellow	1.75	15.00

NAMED SINGLE EARLY TULIPS

Artus. Bright scarlet.....	\$1.00	\$9.00
Bacchus. Rich dark crimson. 1.25		10.00
Belle Alliance. Brilliant deep scarlet	1.75	15.00
Brutus. Orange crimson.....	1.50	12.00
Canary Bird. Rich, golden yellow	1.00	9.00
Chrysolara. Large; pure golden yellow.....	1.00	7.50
Cottage Maid. Beautiful rose, white shade; excellent.....	1.00	8.00

Couleur Cardinal. Crimson scarlet	1.00	10.00
Crimson King. Brilliant crimson	1.50	12.00
Duchesse de Parma. Orange scarlet, bordered yellow....	1.25	10.00
Fabiola. Violet striped rose. 1.00		9.00
Joost van Vondel. Striped. Deep cherry red striped white; very large flower....	2.00	
Joost van Vondel. White. Pure white, exceedingly fine; large flower.....	1.50	
Keiserkroon. Crimson scarlet, edged yellow.....	2.50	
King of the Yellows. Deep golden yellow; excellent for forcing	1.25	10.00
La Reine. White, tinted rose	1.50	12.00
L'Immaculee. Pure white....	1.00	8.00
Ophir d'Or. Deep golden yellow	1.00	7.00
Pottbakker Scarlet. Bright scarlet	1.00	9.00
Pottbakker White. Pure white	2.00	18.00
Pottbakker Yellow. Pure yellow	1.50	12.00
Prince of Austria. Orange red; fragrant.....	1.25	10.00
Proserpine. Deep rosy pink. 2.00		
Rosa Mundi Huikman. Rose and white.....	1.00	7.00
Rose Griselid. Delicate rose, flushed white.....	1.00	8.00
White Hawk. Pure white....	1.50	13.00
White Swan. Pure white; egg-shaped flower.....	1.25	10.00
Yellow Prince. Bright yellow; sweet scented; excellent for forcing.....	1.00	9.00

SINGLE EARLY, IN COLORS

	100	1000
White Shades.....	\$1.00	\$9.00
Pink Shades.....	1.00	7.00
Scarlet Shades.....	1.00	8.00
Yellow Shades.....	1.00	8.00
Deep Red.....	1.00	8.00
Red and Yellow.....	1.00	9.00
All Colors Mixed.....	.75	6.00

DOUBLE TULIPS

	100	1000
Alba maxima. Large; pure white	1.00	10.00
Blanche Hative. Pure white; very early	1.25	
Blue Flag (Late). Bluish violet	2.50	
Duc van Thol. Red and yellow	1.00	
Gloria Solis. Red, bordered with gold.....	1.00	
La Candeur. Pure white....	1.25	
Lady Grandison. Bright scarlet	1.50	
Le Blason. White, tinged rose; extra early.....	1.50	
Le Matador. Dazzling scarlet; extra fine.....	4.00	
Rosine. Splendid rose; early forcing	1.75	
Rose Blanche. Pure white....	1.00	
Rubra maxima. Crimson scarlet	1.00	
Salvator rosa. Splendid deep rose, flamed white.....	1.60	
Tournesol Scarlet. Red, edged yellow	1.50	
Tournesol Yellow. Yellow shaded orange.....	1.50	
William III. Glowing scarlet	1.50	
Yellow Rose. Pure golden yellow	1.00	
All Colors Mixed.....	.75	\$6.00

SINGLE LATE TULIPS

	100	1000
Bouton d'Or. 18 in. Dark yellow	1.00	\$7.50
Bridesmaid. 16 in. Violet striped with red.....	1.25	
Gesneriana major. 18 in. Large; crimson scarlet, with black center.....	1.00	9.00

	100	1000
Golden Crown. 18 in. Yellow with narrow crimson edge. .90		7.00
Persian Yellow. 28 in. Beautiful large, pure yellow....	1.25	
Picotee (Maiden's Blush). 24 in. Pure white, daintily edged with pink.....	1.00	

GIANT NAMED CROCUS

Any of the following extra fine bulbs: 100, 50c.; 1000, \$4.00.

Caroline Chisholm. Pure white.
King of the Whites. Large; pure white.
Mont Blanc. Large, pure white.
Baron von Brunow. Purplish blue.
King of the Blues. Purplish blue; large.
Purpurea grandiflora. Rich purple; large.
Albion. Violet striped.
Sir Walter Scott. White, striped with violet.
Cloth of Gold. Golden yellow, striped with brown on outside.
King of Yellows. Golden yellow; large and free-blooming.

NEW ENGLAND SPECIAL MIXED CROCUS

	100	1000
Blue and Purple Shades.....	\$0.50	\$2.50
Striped and Variegated Sorts .....	.30	2.50
White Varieties Mixed.....	.30	2.50
Golden Yellow. Good bulbs....	.30	2.00
All Colors Mixed.....	.30	2.50

LARGE TRUMPET NARCISSUS

	100	1000
Bicolor Grandee. Flowers very large, with broad white petals and yellow trumpets; late.....	\$0.90	\$7.00
Golden Spur. Immense golden trumpet; early; fine flower. 1.25		
Henry Irving. Very early; deep golden yellow trumpet; white perianth.....	1.50	
Horsfieldi (King of Daffodils). Large golden yellow trumpet, pure white perianth; early forcing.....	1.25	10.00
Principes. Large yellow trumpet with sulphur perianth; excellent forcing.....	.90	8.00

LARGE TRUMPET MIXED

The Poet's Narcissus

Poeticus (The true "Poet," or Pheasant's Eye). Flowers snow-white with cups suffused with bright orange-red; blooms in May; very fragrant. 100, .50c.; 1000, \$4.00.

Poeticus Ornatus. The most perfect form of the Poet's Narcissus. It blooms about a month earlier than the old Poeticus; flowers large, pure white; cup margined with scarlet, and fragrant. 100, .60c.; 1000, \$5.00.

DOUBLE DAFFODILS

Double Von Sion. Extra Selected Double-Nosed Bulbs. 100, \$2.00; 1000, \$18.00. Selected First Size. 100, \$1.00; 1000, \$10.00.

Incomparable (Butter and Eggs). Orange and yellow; large size and good shape. 100, \$1.00; 1000, \$10.00.

Alba plena odorata (Double Poet's Narcissus, or Garden Daffodil). Double, pure white; very sweet scented. 100, \$1.00; 1000, \$8.50.

JONQUILS AND CAMPERNELLES

Jonquilla Simplex (Narcissus Jonquilla). Single, sweet-scented; rich yellow, free flowering. 100, .50c.; 1000, \$4.00.

Campernelle (Narcissus odoratus). Large, yellow flowers, sweetly scented. 100, .60c.; 1000, \$5.00.

Campernelle rugulosus. The largest and best of all the Jonquils; pure yellow. 100, .75c.; 1000, \$6.00.

PAPER WHITE

Paper White Grandiflora. An improved large flowering form of the Paper White, possessing all the good qualities of that popular and easily grown variety. First size 13 to 15 ctms. 100, \$1.00; 1000, \$9.00.

PAEONIAS, PHLOX, IRIS AND A FULL LINE OF HERBACEOUS PERENNIALS.

Illustrated General Catalogue Free.

The New England Nurseries, Inc., - - Bedford, Mass.

VOLUME
1
NUMBER
12

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 24th, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Potty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Wallace. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK

ROSES

A SPECIALTY

The Dingee & Conard Co., West Grove, PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

Rochester, N. Y.—Ellwanger & Barry were awarded the highest prize for "the largest and best collection of fruit trees, ready to plant, embracing apple, pear, peach, plum, cherry and quince" at the State Fair at Syracuse last week. They also received the highest award for the largest and best display of grape vines and bush fruit plants and for the largest and best display of strawberry plants. In addition they received over fifty prizes for their display of fruits.

A BLUE ROSE

The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Flauie, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Stuart Low & Co., Bush Hill Park Middlesex, near London England

ORCHIDS FOR WINTER AND SPRING FLOWERING
 Brasso-Cattleyas and Brasso-Laelias, Hybrid-Cattleyas and Laelio-Cattleyas, Dendrobium by the 1000; Cattleya Labiata and Mennelli by the 1000; Cypripedium a Most Up-to-date Collection. Odontoglossum by the 1000; Odontiodas, most charming hybrids; Oncidium Varicosum by the 1000; Oncidium Marshallianum.

Full Catalogue on Application

Landscape Architecture

A QUARTERLY

50 Cents an Issue.

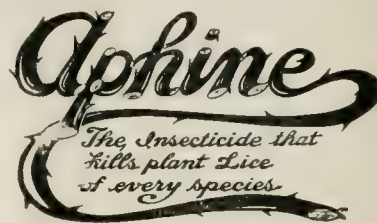
2 Dollars a Year.

Official Organ of the American Society of Landscape Architects.

Devoted to the interests of the profession.

It will contain authoritative articles on CITY PLANNING, PARKS, GARDENS, PLANTING and all subjects appertaining to the art of Landscape Architecture.

Published and edited by CHARLES DOWNING LAY, HENRY VINCENT HUBBARD and ROBERT WHEELWRIGHT, at 103 Park Ave., New York City.



Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon, \$1.00 per quart.

Get it from Your Seedsmen, or Write

APHINE MANUFACTURING COMPANY
 MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
 Crocker Building. San Francisco, California.

DETROIT NOTES.

Last week's business transactions were more numerous and larger in value, to the great relief of all concerned. Nevertheless, there was a large accumulation of medium asters by the end of the week which were fortunately disposed of to further the interests of a charitable institution. A bevy of society girls posted themselves on prominent down town corners and sold asters for the benefit of a home for crippled children. They took in over \$400, and while many of the asters were bought by florists and presented to these young ladies, they themselves bought a large amount of them. All this illustrates very vividly how the poor retailer is constantly a prey to what the wholesaler knows absolutely nothing of.

Interest centres in the school flower day, in which this year twenty public schools participated. The 20th Century Club distributed \$112.00 in prizes and the Detroit Florist Club and several florists presented ferns and palms. The exhibits were judged by Messrs. Taepke, Unger, Sullivan, Scribner, Danzer and President Browne. Competition for large prizes was very close and the most conspicuous displays were: One school with an elaborate May festival arrangement with Maypole and all other accessories, not to forget the little children. Another school transformed the large kindergarten room into a millinery shop and all manner of styles of hats could be seen there. The frames were usually made of pasteboards and completely covered with flowers and the color combinations used thereon were certainly to be admired. Perhaps the most timely arrangement was a model

backyard. One side of the school's main hall showed a vineclad fence, all along which were flowers such as asters, balsams and marigolds transplanted from the open ground into berry boxes. At the far end was a hammock of vines and a couple of rustic chairs. The whole floor was covered with grass in imitation of the lawn.

New Retail Stores:—Mr. Hofferth is opening a regular store, this being an evolution from a small stand.—Misses Clara Rauss, formerly with Breitmeyer, and Miss Lillian Rauss are linking their fortunes in a floral department at the Standard Drug Store.—John Klang has associated himself with a Mr. Rockellman and will open a flower shop right in the busy part of the Polish retail district.—Miss Holzbauer, an old hand at the floral wheel, is locating herself right between Sullivan's, Fettes' and Schroder's.

FRANK DANZER.

PUBLICATION RECEIVED.

Proceedings of the 28th annual convention of the American Seed Trade Association held at Atlantic City, N. J., on June 21, 22 and 23, 1910. This report published with such notable promptness is a production creditable to stenographer Brown and Secretary Kendel. It is a book of 142 pages, well-printed and a portrait of President J. C. Robinson appears as a frontispiece. The papers and discussions are full of interest and of sufficient value to any seedsman to far more than offset cost of membership in the American Seed Trade Association. No live seedsman can afford to be without a copy.

INCORPORATED.

Alton, Ill.—Alton Floral Co.; capital stock, \$2,400. Incorporators, Allan I. Keiser, Irving W. Keiser and George Madsen.

TURN THE MUD INTO DOLLARS

FOR THE "LAND'S SAKE" Why Don't You Drain That Farm of Yours?

You don't need a Surveyor. Get a

Bostrom Improved Farm Level

and do the work yourself

THIS LEVEL IS NO MAKESHIFT. The outfit includes Level, Telescope with magnifying glasses enabling you to read the Target a quarter of a mile away; Tripod, Graduated Rod, Target and Bostrom's 76 page book—"Soil Salvation"—giving the cream of 25 years practical experience in DRAINING, TERRACING and IRRIGATING, with full instructions how to use the Level. Simplicity, Accuracy, Durability GUARANTEED. Used and endorsed in every State in the Union, also Canada and Mexico. Shipped on receipt of price, \$15.00; money back if not satisfied. Or, if preferred, will ship C. O. D. \$15.00 and express charges, subject to examination. Shipping weight 15 lbs. If not on sale in your town, order from nearest address.

BOSTROM-BRADY MFG. CO. 323-H Brunswick Bldg. NEW YORK
 139 Madison Ave. ATLANTA, GA. 1139 Pine St., ST. LOUIS, MO.



DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000		Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00	Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00	Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00	Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00	Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Canary. Fine large early white, with creamy centre	2.00	15.00		Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00	Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00		Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Candidissima. Sulphur yellow.....	2.00	15.00		Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00		Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00		Queen Victoria. A good early white....	1.50	10.00	90.00
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00		Reine des Fleurs. Rosy pink.....	2.00	15.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00		Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Delachei. Amaranth red.....	2.00	15.00		Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00	Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00		Zoe Calot. White, suffused with delicate rose	2.00	15.00	
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00				
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00					
Grandiflora Carneae Plena. Flesh; sulphur centre	1.50	10.00	90.00				
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00				
Humei Rosea. Deep rose.....	1.50	10.00	90.00				
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00					

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officialis (Mutabilis) Alba. Blush white.	1.50	10.00
Officialis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officialis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = **Philadelphia, Pa.**

A FEW SPECIALTIES IN BULBS

NARCISSUS

	Per 100	Per 1000
PAPER WHITE GRANDIFLORA. 14 c/m bulbs, 1,000 to the case.....	\$1.25	\$11.00
BICOLOR VICTORIA. selected double-nosed bulbs	1.75	16.00
EMPEROR. Selected double-nosed bulbs.....	1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs..	2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs	2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs	1.00	7.50

TULIPS

	Per 100	Per 1000
KEIZERSKROON	\$1.25	\$10.50
LA REINE	1.00	8.00
ROSE GRISDELIN	1.00	8.50
ROSE LUISANTE	1.75	14.50
MURILLO	1.25	10.00
COURONNE D'OR	1.75	14.00
GESNERIANA SPATHULATA	1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs .....	.75	6.00
FREESIAS, BERMUDA-GROWN. Bulbs $\frac{3}{4}$ to $\frac{1}{2}$ -inch and up in diameter.....	.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.		

LILIUM HARRISII

Selected bulbs. The original true stock. 6 to 7 inch, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100. 7 to 9 inch, 200 to the case, \$18.00 per 100; less quantities, \$10.00 per 100.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELEZELI. Fine plants, 2 $\frac{1}{4}$ -inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$6.00 per dozen; 8-inch, \$18.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

The Pea Crop.

Since our last crop news was published, there have been no radical developments, although we are nearer definite information of what the various crops are going to turn out this year. Some trade papers have stated that it is still hoped that the pea crop may improve and turn out better than indicated some weeks ago. This is rather misleading, for as a matter of fact the pea crop is made and has been for some weeks and there is absolutely no chance for improvement, although, as has been pointed out, there is opportunity for much damage by rain.

According to information we have, some damage has resulted from inopportune rains but it is hoped that it has been slight. One of the conditions most dreaded by growers of peas and beans is a wet period immediately succeeding harvest and before the peas can be threshed and housed. So far as we can ascertain, damage from this cause is not likely to be very heavy. Still, in view of a very light crop, we cannot afford to lose any through unfavorable weather or any other cause.

Threshing results have in the main confirmed the worst fears of the growers and of their field estimates, which some times are quite misleading, as the crop often falls below the estimates.

Corn and Beans.

Beans will undoubtedly be short as they have suffered more or less from recent frosts, while they do not ripen as it was hoped they would, even with the bright warm sunny days we have been getting for the past few weeks. It has been a common saying among old bean growers that beans would not ripen after the 15th of September, and last year it seemed to confirm this saying. The pods remained in an unripe soft condition for several weeks, and it was said that the result was much as if they had been in cold storage. Whether the same conditions will prevail again this year is of course uncertain, but at this time it looks very much that way.

Corn and beans seem to be coming along very much together and, like the latter, corn has suffered very slightly from early frosts which fortunately have been very light up to this time. If there are no killing frosts until after the first of October, there should be a very fair crop of late corn, and at this time conditions certainly look favorable. As to the early varieties, it was stated in these columns some weeks ago that they would probably be rather scarce no matter which way the later varieties might turn, and no news has been received to change that view of the matter.

Vine Seeds.

As a general proposition it may be stated that nearly all vine seeds will be short, though nothing like exact information is obtainable at this time. Frosts in Nebraska and other parts of the West have cut down muskmelons and cucumbers and in fact squashes and pumpkins. However, the information we have of the latter is very meagre, but we hope to be able to furnish something of a more reliable character in our next issue.

Most of the watermelon seed used

by the trade is now grown in the South, very little coming from Nebraska as formerly, and such information as we get, is to the effect that there will be plenty of watermelon seed excepting a few varieties which are not largely used.

Encouraging Foreign Reports.

The most recent information from Europe is much more encouraging regarding cabbage, Swedes, mangels and a general line of turnips, showing that these crops will turn out better than was feared earlier in the season. A number of houses in the trade were in quite a panic over these very items a short time ago, and some wholesalers would not accept orders for these varieties. While the actual goods have not been delivered, the reports from most of the leading European growers justify the hope that deliveries will be fairly good and that there will be no famine in these goods. Caution and prudence are very creditable; fright and panic every time there is a report of a shortage in anything, are not.

Potatoes Short.

The situation affecting potatoes indicates that they are going to be short in supply and somewhat higher than opening prices of a year ago. Whether these prices will be maintained throughout the season is a problem which the future alone can answer. Every one will remember the bad slump in prices last spring, but it really looks as if there was more justification for the claim of short crop this year than last. In fact, what gave the market its strength was the fear that a serious condition of rot had struck the Maine crop. Taking the country as a whole, the potato crop is undoubtedly shorter than last year.

Sweet Peas.

It is anticipated that there will be some shortage in the California sweet pea crop and that some of the new fancy varieties are likely to be very scarce and prices will rule high. We have not learned of any other item in the California seed crop that is likely to be materially short while there will be something of a surplus in certain lines.

Notes.

Dallas, Tex.—The David Seed Co. write us that the report that they are contemplating opening a branch store in El Paso, Tex., is not correct.

Yankton, S. D.—The nursery business of the Sioux City Seed and Nursery Co. has been purchased by the Whiting Nursery Co., and its own seed business transferred to the Sioux City Co.

We are informed that Mr. Jerome B. Rice was in attendance at the recent G. A. R. Encampment at Atlantic City, having gone for a little vacation and with the idea of renewing old acquaintances. The G. A. R. have had fine weather and all reports indicates a very successful Encampment.

We understand that Mr. Alex Mathers is to accept a position with J. M. Thorburn & Co., of New York. Mr. Mathers has recently held a position with the McMoran-Gray Co., of Port Huron, Mich. He is regarded as a high class man and doubtless his abilities will be appreciated by his new employers.

MIGNONETTE

HOEHL'S GIANT

(Originator's Seed)

Mr. Hoehl, who specializes on this strain enjoys the reputation of bringing the best Mignonette to the Philadelphia Market.

We offer the originator's seed saved from exhibition specimen.

50c Trade Pkt; Per Oz. \$3.00

If You Need Bulbs, Write Us

HENRY F. MICHELL CO.
518 Market St., Philadelphia

Barron, Wis.—C. J. Borum of this city raised 230 bushels of clover seed on seventy-eight acres, for which he has been offered \$8 a bushel. He sold the straw which was bright and green for \$427.60. The receipts which paid the entire expenses, including seed, leaving him \$1,840 net profit. In a good season he would have had nearly double the amount of seed.

McLeansboro, Ill.—The recent heavy rains have greatly damaged the sunflower seed crop in Hamilton county, Illinois. In the bottom lands the plants have fallen over on account of the ground being softened by the water. The raising of sunflowers here has increased rapidly in the last two or three years. The price last year was 4 cents per pound and in some parts of the country the crops brought from \$75 to \$80 per acre. The largest raiser this year is Al Coy, living in a rich section of bottom lands seven miles north of here and known as the "cabbage patch." He has a field of forty acres and he estimates his loss this year at \$1,500. Last year 10,000 bags were marketed here.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIAM HANSONI	Per 100
A grand lily for border planting	\$25.00
CALLA ELLIOTTIANA	
Splendid yellow calla for forcing	20.00
LYCORIS SQUAMIGERA	10.00
(Amaryllis Hallii)	

Complete list of German and Japan Iris and Lilliums will be mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

Business For Sale!

Well established seed business in a city of 70,000 population is offered for sale. This business has been well advertised and is growing every year. Full particulars upon application. Address, "BUSINESS," care of HORTICULTURE.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

WHITE PEARL ONION SETS
NOW READY

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

228-230

W. KINZIE STREET **CHICAGO**

LOWEST PRICES ON APPLICATION

LILIUM CANDIDUM

Extra Bulbs \$5.00 100

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg.,
PHILADELPHIA, PA.

BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

VEGETABLE PLANTS

CABBAGE—Wakefield and
Succession. Per 100 Per 1000
20c. \$1.00

LETTUCE Grand Rapids,
Big Boston, Boston Market
and Tennis Ball. 20c. 1.00

PARSLEY— 30c. 1.25

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

FALL BULB CATALOGUE

If you have not received a
copy send for it.

James Vick's Sons
ROCHESTER, - N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr.	Pkt.
Forget-Me-Not, Victoria for pots,	\$2.50		\$0.33
Mignonette, Zangera's Triumph,	3.00		.50
Pansies Special Florists' Mixture,	4.00		.50
Stocks, Princess Alice, pure white,	3.00		.50
Beauty of Nice, Carmine, Daybreak,			
Rosy Lilac, Snow White, each separate,	3.00		.50

O. V. ZANGEN Seedsman - Hoboken N. J.

"BUDS"

76 Barclay Street, New York
Important to Florists and Gardeners

New crop of High Grade Flower Seeds just
arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

CYCLAMEN

NEW CROP

To obtain large flowering plants for
Thanksgiving and Christmas 1911,
seeds should be sown now. For
the florist, our Giant Cyclamen
is unsurpassed.

Giant Crimson, **Giant Pink**
Giant White **Giant Blood Red**
Giant Excelsior White with
claret base
Picturatum Pink with
claret base **Giant Salmon**

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.
6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

*Thorburn's
Bulbs*

For Florists for forcing at low prices in
cases only.

White Roman Hyacinths, 12 to 15 ctms.,
2000 in case @ \$18.00 per 1000

Narcissus Paper White Grandiflorus,
1000 in case @ \$7.50 per 1000

Lilium Formosum, 6 8,
350 in case @ \$3.00 per 100

Lilium Formosum, 7-9
250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—
send for prices per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Seeds and Bulbs

Send for Special Price List

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

In ordering goods please add "I saw
it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.**

The Park Floral Co.

**J. A. VALENTINE,
Pres.**

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Dayton, Ohio.—H. H. Ritter has
moved to 213 West 3rd street.

St. Louis, Mo.—The Grand Avenue
Florist has discontinued business.

San Antonio, Tex.—Mrs. F. Bright
has discontinued her florist business.

Watertown, N. Y.—Hart & Hart
have purchased the florist store of
George H. Underhill.

St. Louis, Mo.—Mrs. Waltman has
purchased the fixtures of the Easton
Floral Co., which has closed.

Battle Creek, Mich.—The Fisher
Flower Store on North Jefferson avenue,
is undergoing many improvements.

Lake Forest, Ill.—Francis N. Moore
has purchased the florist business of
Miss C. N. Burr; 1377 East 55th street.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....Sept. 30

Atlantic Transport.

Minnewaska, N. Y.-London..Oct. 1

Cunard.

Ivernia, Boston-Liverpool....Sept. 27

Lusitania, N. Y.-Liverpool....Sept. 28

Caronia, N. Y.-Liverpool....Oct. 1

French.

La Provence, N. Y.-Havre...Sept. 29

Hamburg American.

Cincinnati, N. Y.-Hamburg..Sept. 24

K. A. Victoria, N. Y.-Hamb'g..Sept. 29

Pennsylvania, N. Y.-Hamb'g..Oct. 1

Holland-America.

Potsdam, N. Y.-Rotterdam..Sept. 27

New Amsterdam, N. Y.-R'dam..Oct. 4

Leyland.

Winifredian, Boston Liv'pool..Sept. 28

North German Lloyd.

Princess Irene, N. Y.-Med'n..Sept. 24

K. Wilhelm, N. Y.-Bremen..Sept. 27

F. Der Grosse, N. Y.-Bremen..Sept. 29

K. Luise, N. Y.-Med'n.....Oct. 1

K. Wilhelm II, N. Y.-Bremen..Oct. 4

Red Star.

Finland, N. Y.-Antwerp....Sept. 24

Vaderland, N. Y.-Antwerp....Oct. 1

White Star.

Arabic, N. Y.-Liverpool....Sept. 24

Teutonic, N. Y.-S'hampton..Sept. 28

Romanic, Boston-Med'n.....Oct. 1

Baltic, N. Y.-Liverpool.....Oct. 1

Cymric, Boston-Liverpool....Oct. 4

Independence, Kan.—The new Kish-
paugh-Patridge greenhouse has been
completed and is an exceptionally fine
up-to-date affair.

Chicago, Ill.—The business of George
Hartung, 11816 Michigan avenue, has
been bought by Otto Seaberg, formerly
florist at Mt. Greenwood Cemetery.

Joliet, Ill.—The retail department
of the C. W. Shepherd Co. has been
purchased by Miss M. F. Carter and
will be run under the name of the
Carter Floral Co.

NEW FLOWER STORES.

Olean, N. Y.—Dana R. Herron.

Winthrop, Mass.—Miss E. Belcher.

Pittsburg, Pa.—C. Pyros, Oliver
Building.

Waltham, Mass.—Mathew F. Ruane,
121 Moody street.

Milwaukee, Wis.—George Loeffler,
1337 Walnut street.

Louisville, Ky.—S. E. Thompson,
Walnut Street Theatre Building.

Omaha, Neb.—The Annex Flower
Shop, adjoining the lobby of the
Brandeis Theatre.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

Mrs. J. B. Freeman SUCCESSOR TO Geo. A. Heintz

Leading Florist, TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

WE OPEN THE SEASON with the finest stock of Florists' Supplies ever offered. The goods are all fresh and up to date and the novelties have selling merit.

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO.
1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Trade News.

The Fleischman Floral Co. are completing an ice box for orchids, lily of the valley and violets only.

Hughes' baseball window is drawing a crowd of admirers to the west side store noted for its window displays.

The Jesselson Flower Shop on 63rd St., when completed will be one of the many fine retail stores of the south side. Mr. Conn is manager and is also interested financially.

J. O. Friedman was unable to open his new store on the 15th as intended because of a delay in fixtures. The opening will be in another week and the store will be in charge of Wm. Graff.

The Bohanon Floral Co. are adding a new counter with glass display shelves the entire length, to the equipment of their store. A large display window has also been added in which orchids, gardenias and violets will be kept.

A. Christianson is now well established with Harry Rowe with whom he first learned the business. For some time Mr. Christianson had been with

the Chicago Carnation Co. at Joliet and is emphatic in his praises of the Washington Carnation which is a sport of Enchantress with the color of Lawson.

Clematis paniculata sprays are being used with good effect by florists in making up large designs. Among the porches now hung with this beautiful vine was one seen recently by the writer that was particularly fine. A large vine of Virginia creeper was trained as a background and over it trailed the clematis, its lighter green leaves and white flowers showing to excellent advantage against the dark green.

Personal.

The news of the death of Geo. Wittbold was heard with sincere regret in the flower markets. Mr. Wittbold was probably the longest in the business of any florist in Chicago, having been actively engaged in it for fifty-three consecutive years. A sketch of his life appears in the obituary columns.

John Kidwell one of Chicago's best known retired florists was married last month to Miss A. Nelson the sister of the first Mrs. Kidwell who died a year ago. Mr. and Mrs. Kidwell forgot to mention their marriage to their many friends in the trade but the heartiest congratulations are offered just the same.

Tuesday's Record Herald gave an account of the jumping from a moving train of Charles Nelson of 1605 N. Leavitt St., while in a state of supposed insanity, near Grand Junction, Colo. Charley Nelson is well known, having had a retail store on Milwaukee Ave. and his friends hope the report will prove unfounded. He was also reported lost in the earthquake in Italy three years ago.

Visitors: P. N. Obertin, Kenosha, Wis.; Wm. Graff, Columbus, O.

Dayton, O.—W. G. Mathews made a stunning floral display at the recent Montgomery County Fair, receiving first prize on American Beauty roses, gladioli, cannas and several other cut flower classes. A first prize was also captured by the bridal table, which, furnished complete with service of china and silver, was beautifully decorated with Japanese lilies and lilies of the valley and many little butterflies. In addition to the floral display, Mr. Matthews had taken to the fair, upon request, a complete line of florists' supplies, such as ornamental baskets, fern dishes, etc., which were an interesting feature of his very beautiful and notable display.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—Mrs. J. B. Freeman.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tallby.

Among recent wedding decorations by A. Lange, Chicago, was that of a table in the shape of a horseshoe seating fifty-five guests, arranged with the bride and groom at the head. Plates were placed on the outside only. The three nails on either side were represented by flat designs filled with Killarney roses while the one at the top was done with white. A bank of palms with lilies completed the decorations of the large room.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England promptly

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

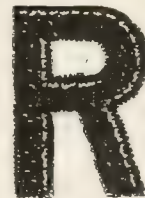
Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

BRONZE GALAX

Carefully selected and with our experience in this line, we can give you now just as good Galax as you would expect if you were buying new crop Galax. You will have no waste—satisfaction guaranteed.

\$7.50 per case

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the downtown district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 20		TWIN CITIES Sept. 20		PHILA. Sept. 20		BOSTON Sept. 22	
ROSES								
Am Beauty, Fancy and Special..	25.00	to 30.00	28.00	to 35.00	20.00	to 25.00	15.00	to 25.00
" Extra.....	20.00	to 25.00	20.00	to 28.00	12.50	to 15.00	10.00	to 15.00
" No. 1.....	10.00	to 20.00	10.00	to 20.00	8.00	to 10.00	6.00	to 8.00
" Lower grades.....	5.00	to 10.00	5.00	to 10.00	5.00	to 6.00	1.00	to 3.00
Bride, 'Maid, Chateauf, F. & S.....	5.00	to 6.00	4.00	to 7.00	5.00	to 6.00	2.00	to 6.00
" Lower grades.....	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	1.00	to 2.00
Killarney, Richmond, Fan. & Sp.....	8.00	to 10.00	6.00	to 10.00	6.00	to 8.00	3.00	to 8.00
" Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 4.00	1.00	to 2.00
Kaiserin, Maryland, Fan. and Sp.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	3.00	to 8.00
" Lower grades	2.00	to 5.00	4.00	to 6.00	3.00	to 5.00	1.00	to 2.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	2.00	to 2.50	.....	to 3.00	1.50	to 2.00
	1.00	to 1.50	1.00	to 2.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	10.00	to 50.00	30.00	to 60.00	.....	to 60.00	45.00	to 60.00
Lilies, Longiflorum.....	6.00	to 12.00	10.00	to 12.50	.....	to 12.50	6.00	to 8.00
" Speciosum.....	.....	to .....	.....	to	3.00	to 5.00	2.00	to 3.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters.....	1.00	to 3.00	2.00	to 3.00	2.00	to 3.00	.35	to 1.50
Daisies.....	.....	to .....	.75	to 1.25	.....	to .....	.25	to .50
Snopdragon.....	.....	to .....	.....	to .....	.....	to	1.00	to
Gladioli.....	2.00	to 4.00	3.00	to 7.00	3.00	to 4.00	1.00	to 4.00
Chrysanthemums.....	.....	to .....	.....	to .....	.....	to .50	12.50	to 16.00
Gardenias.....	.....	to .....	.....	to	12.50	to 15.00	.....	to 25.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	10.00	to 12.00	12.50	to 15.00	12.50	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100).....	50.00	to 75.00	45.00	to 60.00	35.00	to 50.00	.....	to 50.00
" " & Spen. (100 bchs.).....	70.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

ALWAYS GOOD,
FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE



EVER DEAR KILLARNEY

Not only the Killarney rose itself, but the wonderful ribbon the P. M. Co. have got up to match it!! A magnificent two shaded effect. It has taken years of experimenting to get there, and now they offer the real and on'y original:

Killarney Pattern. A Perfect Match

in its two shaded effect. The price is a mere bagatelle when quality is considered. New shipments have just come in and they will welcome your orders at the following low prices:

Widths	Piece 10 Yds.	Widths	Piece 10 Yds.	Widths	Piece 10 Yds.
No. 2..\$.32½ per yd.		No. 16...\$1.10 per yd.		No. 60.. \$2.25 per yd.	
" 7.. .60 " "		" 22... 1.35 " "		" 100.. 2.50 " "	
" 9.. .80 " "		" 40... 1.60 " "		" 150.. 2.65 " "	

Excelsiveness and style in ribbons a specialty with the P. M. Co. They know what the florist wants. Get their full line; but at once be sure and order a good supply of their great Killarney pattern first, last and all the time.

No other can equal it!

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of

1608-20 Ludlow Street, - - Philadelphia, Pa.

1212 New York Ave., WASHINGTON, D. C.



Flower Market Reports.

BOSTON He would be a very unreasonable man who would find fault with the flower market conditions here at the present time. The demand is good and healthy and the supply none too large—marketable stuff being considered, of course. The aster crop is on the wane, the recent rains having hastened the approach of the end. Chrysanthemums will not be long in coming to fill the vacancy if the present sunny weather continues. Carnations are also making a place for themselves and are enjoying a good demand. Roses, if of top quality, sell well. Richmond, Maryland and Kaiserin are seen in excellent finish for so early a date, lily of the valley is selling well and the quality is as good as ever seen at this season. Lilies are good, with demand normal. Orchids are more plentiful—Cattleya Harrisonæ, Dendrobium formosum and several of the more precocious cypripediums holding the center of the stage. Gardenias are excellent with an appreciative call at 25c. per 100.

Trade continues at a good pace and at times a good hustle is on. Fall weddings are numerous and floral work has been in demand which has helped to consume a good portion of lily of the valley, white roses and lilies. Other material has been in good supply, such as gladioli, asters, etc., and which have been of good quality and cleaned up quite satisfactorily. The market has had a better demand for Beauties and the medium and short

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 23	DETROIT Sept. 23	BUFFALO Sept. 23	PITTSBURG Sept. 20
ROSES				
Am. Beauty, Fan, and Sp.....	20.00 to 25.00	30.00 to 35.00	20.00 to 25.00	15.00 to 20.00
Extra.....	13.00 to 20.00	24.00 to 30.00	10.00 to 12.00	10.00 to 12.50
No. 1.....	8.00 to 15.00	18.00 to 22.00	6.00 to 10.00	6.00 to 8.00
Lower grades.....	6.00 to 8.00	4.00 to 12.00	3.00 to 4.00	..... to 4.00
Bride, 'Maid, Chatenay, F. & S.....	4.00 to 6.00	6.00 to 8.00	4.00 to 7.00	6.00 to 8.00
Low. gr.....	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp.....	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
Lower grades.....	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Maryland, Fan. and Sp.....	4.00 to 6.00	4.00 to 6.00	6.00 to 7.00	6.00 to 8.00
Lower grades.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, Novelties and Fancy				
Ordinary.....	1.00 to 1.50	.50 to 1.00	1.50 to 2.00	..... to 2.00
	.50 to .75	.50 to 1.00	1.00 to 1.50	..... to 1.00
MISCELLANEOUS				
Cattleyas.....	..... to .....	..... to 75.00	..... to .....	..... to
Lilies, Longiflorum.....	6.00 to 10.00	15.00 to	8.00 to 10.00	6.00 to 8.00
" Speciosum.....	..... to .....	..... to 4.00	3.00 to 4.00	..... to
Lily of the Valley.....	..... to 4.00	3.00 to 4.00	..... to	2.00 to 4.00
Asters.....	.50 to 8.00	1.00 to 3.00	.40 to 2.00	.50 to 2.50
Daisies.....	..... to .....	..... to .....	..... to .....	..... to 1.00
Snapdragon.....	1.00 to 4.00	..... to .....	..... to .....	..... to
Gladioli.....	1.00 to 2.00	3.00 to 6.00	2.00 to 4.00	..... to
Chrysanthemums.....	12.00 to 17.00	12.00 to 18.00	10.00 to 15.00	12.00 to 16.00
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	.75 to 1.00	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax.....	10.00 to 15.00	15.00 to	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 50.00	25.00 to 40.00	..... to	30.00 to 50.00
" " & Spreng. (100 bchs.)	15.00 to 25.00	25.00 to 40.00	..... to	30.00 to 50.00

grades have sold well. A good portion of Bride, Bridesmaid and Killarney still come mildewed and the ordinary are hard to dispose of. Some choice Marylands, Kaiserin, Carnot, Cochet, Perle and Aaron Ward are had and move freely. Good crops of magnificum and longiflorum lilies are on, and fine blooms are had. Considerable outdoor material, such as mignonette, dahlias, asters, candytuft, etc., is still amongst the daily receipts.

The condition of the **CHICAGO** market is very encouraging to the wholesalers generally. Out-of-town orders and local trade combined have caused a clean-up nearly every day of the past week. The cool weather has made the stock excellent for September and everything is bringing a very fair price. The supply of carnations continues to increase while no one has

(Continued on page 451)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860 3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
James McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and taking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4458
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 17 1910		First Half of Week beginning Sept. 19 1910	
American Beauty, Fancy and Special.....	12.00	to 20.00	12.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Auld, Chateaux, Fancy and Special.....	2.00	to 3.00	2.00	to 4.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 3.00	2.00	to 6.00
" " Lower Grades.....	.25	to 1.00	.50	to 1.00
Kaiserlin, Carnot, My Maryland, Fancy and Special.....	3.00	to 5.00	3.00	to 6.00
" " Lower Grades.....	.25	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.00	to 1.50	1.50	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.50

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

George B. Hart
WHOLESALE
FLORIST
24 Stone St., Rochester, N. Y.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

BUY
BOSTON
FLOWERS
N. F. MCCARTHY & CO.,
84 Hawley St.
BOSTON'S BEST
HOUSE

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

KRICK'S FLORIST
NOVELTIES
Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Flower Market Reports

(Continued from page 440)

reason to complain of the size of the blooms and the stems are fast increasing in length. Asters are now decidedly on the wane. Chrysanthemums of large size are daily more in evidence and the fall flowers, both cultivated and wild, are in abundance. Among the latter this week were the gentians, both fringed and plain. The first shipment of violets from the East came this week. Many retailers are preparing to handle both violets and orchids as a part of their regular stock this season. Lily of the valley is good and in demand for fall weddings. Gladioli, as usual, are more in evidence than demand requires.

Business for the past seven days has been fair. Beauties as well as other roses are in good supply and the quality generally is excellent, extremely good value being offered at current prices. Taft and My Maryland have the call in pink, while good Bridesmaids are running a close second. Kaiserin and Ivory lead the list in white. Asters have been in abundant supply. First-class blooms meet with a ready sale at fair prices. A good many of the white asters received from New York State arrive in poor condition, being brown and burnt on the edges and are hard to move at any price. The receipts of carnations are increasing daily. The improvement has been pronounced and a fair proportion of the stock now received have satisfactory stems, and are selling better than they did a week ago. The shortage of the Easter lily market has passed, there being a fair supply on hand. Gladioli are still to be had and are moving at fair prices. Smilax is, in many cases, thin and light, but all other green goods are not only plentiful but of good quality.

We'd like to see NEW YORK things move along livelier than they have done thus far in the wholesale flower district. Reports from other markets indicate a very healthy tone with sanguine outlook for the season now opening. The absence of any shipping trade worthy of the name is a great drawback to this market and deprives it of the needed impulse which shipping markets benefit by at periods like the present when certain outdoor crops are about finished and the indoor goods lag. New York is so elastic, however, as a home market that it can absorb a surplus as no other market in the world can. Just at present there is no real surplus of good material. There is, however, a vast amount of trash coming in which, as the foregoing remarks indicate, is absorbed in one way or another, but the price at which it goes is unquotable. If we had to deal only with good quality stock we should have no difficulty in recording encouraging figures, even at the present date, which is not usually regarded as one productive of comfort and joy for the grower. The aster crop is nearing its end and this leaves room for the oncoming chrysanthemums. Carnations are improving and increasing. Dahlias are omnipresent; so are lilies. Roses—the situation would be vastly improved if one-half the cut from young

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 17 1910	First Half of Week beginning Sept. 18 1910
Cattleyas.....	30.00 to 60.00	40.00 to 60.00
Lilies, Longiflorum.....	4.00 to 6.00	5.00 to 6.00
" Spectosum.....	1.00 to 2.00	2.00 to 3.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Asters.....	.20 to 1.50	.20 to 1.50
Daisies.....	.25 to .50	.25 to .50
Snapeuragon.....	1.00 to 2.00	1.00 to 2.00
Gladioli.....	.50 to 2.00	.50 to 2.00
Chrysanthemums.....	8.00 to 15.00	8.00 to 15.00
Gardenias.....	15.00 to 25.00	25.00 to 35.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strings.....	10.00 to 35.00	10.00 to 35.00
" " & Spren. (100 bchs).....	10.00 to 15.00	10.00 to 25.00

bushes planted last June had been pinched off the plants and had never seen the inside of a shipping box or wasted its unwelcome presence on the tables of the perplexed wholesaler.

General conditions have distinctly improved during the past week and the clean-up at the wind-up was most encouraging. The general vim in trading was in marked contrast with the apathy of preceding weeks. The quality of the offerings was also very appreciable. White roses lagged a little but all other roses cleaned up in very good shape. Orchids remain on the scarce side and are easily absorbed at good prices. Carnations are coming. We have had some really fair flowers this week. Asters are about on their last legs, except that there are some exceptionally fine late flowering varieties coming in. Dahlias are now in their second week, and are beginning to show some "class." Some rain would help these, both in quality and quantity. It has been rather dry in this vicinity for the past three weeks. We can say that dahlias are as fine this year as we have ever seen them, and the price is about the same—\$2.00 to \$2.50 per 100. They clean up pretty well so far. There are a few Golden Glow chrysanthemums coming in. No special call for these. Whites would sell but nothing in sight as yet. Gardenias show some activity and are a very good proposition at present. Lily of the valley market all right—cleaning up in good shape. Gladioli on the wane apparently, although we hear of some nice new lots ready to come in.

The market could be much better than it is; still the demand has been better than expected. The wholesalers have been fairly well supplied with stock of all kinds. The carnations that are coming in are not fancy, but with cooler weather they will come in better. Roses are fairly good and there is always a good demand for the best grades, but with this warm weather shipments arrive in not any too good a condition. Asters are falling off, so are gladioli and tuberose, and the market will soon be confined to roses, carnations, lily of the valley, chrysanthemums and violets.

NEWS NOTES.

Lake Forest, Ill.—A. Christensen is now employed by H. C. Rowe, 42 East Monroe street.

Morristown, N. J.—The greenhouses of Richard A. McCurdy have been taken down and the stock sold.

Norwich, Conn.—The greenhouses here owned by Mrs. Wm. Camp Lan-

man will be run on the commercial basis with Charles Thos. Beasley as manager.

St. Louis, Mo.—G. H. Augermuller has added the entire building in which he has been occupying only the ground floor.—The Metropolitan Floral Co. furnished the plant and cut flower decoration for the opening of the New Princess Theatre, which is near their store.—Alex. Siegel will open the cut flower department in Schaper Bros. new store at 8th and Washington avenue. He will retain his old store at 6th and Washington. J. J. Karins, representing Henry A. Dreer, Philadelphia, has been in this city and calling on the trade. His order book was well filled when he left.

The McCray Refrigerator Company, of Kendallville, Ind., has just completed what is believed to be one of the largest and handsomest florists' refrigerators ever made, for the West View Floral Co., of Atlanta, Ga.

This refrigerator is of peculiar shape owing to the limitations of the space which it will fill. There is not a square corner in it. The front is 24 feet wide and the rear 26 feet. The ends are 3 feet and 6½ feet respectively, and it is 10 feet high.

The outside is white enameled with drawers in front for ferns, etc. The floor is tile, the back is mirrored, and it is fitted with wire shelves. The cost was \$1,800.

The McCray Refrigerator Company makes a specialty of high-class built to order work and many of the largest florists in the country are enjoying the benefits derived from using their refrigerators.

Galax and Leucothoe

Quality, Packing and Price All Right. Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 55.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
For Sale—Asparagus Sprengerii, prime plants ready for 8 in. pots or for making up showy baskets. Excellent for cutting purposes. \$8.00 per 100. Cash please.
S. E. Boyden, Holden, Mass.
ASPARAGUS PLUMOSUS, $3\frac{1}{2}$ inch, strong, \$7.00 per 100. Thos. R. Fries, Lancaster, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, $2\frac{1}{2}$ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1123 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1123 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Stumpp & Walter Co., New York, N. Y.
Bulbs for Forcing.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
Superior Bulbs.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
F. B. Abrams, Blue Point, L. I., N. Y.
For page see List of Advertisers.
Charles H. Totty, Madison, N. J.
Carnations. 5000 Lloyd, field plants, \$5.00 per 100; \$45.00 per 1000. Second size, \$3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.
Carnation Plants—Field grown, fine Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, \$5.00 per 100 for cash with order. M. J. Schaaf, Danville, N. Y.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galeburg, Ill.

CARNATION SUPPORT

3000 second-hand model carnation supports in good condition, \$10.00 per 1000. Henry Holzappel, Jr., Hagerstown, Md.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.
Charles H. Totty, Madison, N. J.
Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.
Herbert, Acton, N. J.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
DAHLIA big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Queen Alexandra Daisies from 2 in. pots, \$2.00 per 100. Cash. E. O. Perry, Berlin, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.
T. C. Thurlow's Sons, Inc., West Newbury, Mass.
For page see List of Advertisers.

FANCY BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

For List of Advertisers See Page 456

FERNS—Continued

Frank Oechslein, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Hardy Ferns—*Adiantum pedatum*
(maidenhair), *Asplenium Felix-faemina*
(lady fern), *Oncoclea sensibilis*, *Oncoclea*
struthiopteris (ostrich fern), *Osmunda cin-*
namomea (cinnamon fern), *Osmunda Clay-*
toniana (interrupted fern), *Pteris aquilina*
(brake fern). (Sample specimens, 10c. each.
Write for prices on stated quantities.
Ludwig Mosback, Askov, Minn.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

For page see List of Advertisers.

A. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FREESIAS

Wm. Elliott & Sons, New York, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

For page see List of Advertisers.

GALAX—Continued

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

Geraniums, rooted cuttings of Riccard.
Poitevine and Nutt at \$10.00 per 1000.
Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sta., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1123
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1123 Broadway, N. Y. Special Glazing
Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1123 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1123 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
tles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GREVILLEA

Grevillea robusta—Strong, 2½ in. pots,
\$4.00 per 100. Chas. Leuker, Freeport,
N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1123 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1123 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1123 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.

E. Y. Teas, Centerville, Ind.

10,000 *Hydrangea Otaksa*, pot grown, 3
in., 1 crown, \$5.00 per 100; 4 in., 2 to 6
crowns, \$10.00 per 100; 7 in., 8 to 12
crowns, \$35.00 per 100; 9 in., about 20
crowns, 50c. each. Cash. F. Sokol, Col-
lege St., Worcester, Mass.

INSECTICIDES.

Nicotifide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., New York.
Killed Tobacco Dust.

For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.

For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

IRIS

Boblink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded
with berries, 4 in., \$10.00 per 100. Cash.
F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LAND LEVELS

Bostrom-Brady Mfg. Co., Atlanta, Ga.
For page see List of Advertisers.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
For page see List of Advertisers

LILIUM FORMOSUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Daniel A. Clarke, Flskeville, R. I.
Pines and Berberis.

For page see List of Advertisers.

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS**
Ellwanger & Barry, Rochester, N. Y.

UNION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

ORCHID PLANTS—Continued

Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

G. L. Freeman Co., Fall River, Mass.
For page see List of Advertisers.

Stuart Low & Co., Enfield, England.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jan. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in. \$4;
2 in., \$3. Shipped at low freight rates.
Trosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
Best Cut Flower varieties grown.
First Prize White.....\$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100
Write for list of other varieties.
Wagner Park Conservatories, Sidney, Ohio.
PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHLOX

H. A. Dreer, Inc., Philadelphia, Pa.
Hardy Perennial.

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.

For page see List of Advertisers.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kreoschell Bros. Co., 486 Erie St., Chicago.
For page see List of Advertisers.

Baxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trel-
lises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

Henry F. Michell Co., Philadelphia, Pa.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

Frank Oechslin, 4911 Quincy Street,
Chicago.
For page see List of Advertisers.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

R. S. Pennock-Meehan Co., Philadelphia,
Pa.

For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.

Stuart Low & Co., Enfield, England.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

The Rose by H. B. Ellwanger: mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

For List of Advertisers See Page 456

SEEDS

T. J. Grey Co., 22 So. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

E. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Seed.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

SMILAX

Smilax, strong 2-in. cut back \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Harrell, Summit, N. J.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

For page see List of Advertisers.

Lorillard tomato plants, 4-in. pots, \$3.00 per 100. Nice plants. Cash, please.
D. B. Kroninger, Emaus, Pa.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS

Violets—Princess of Wales, healthy, field-grown, \$50.00 per 1000. Chas. Lenker, Freeport, N. Y.

Violets, Princess, field grown, \$5.00 per 100. Stevia, 5-in. pots, \$6.00 per 100. Cash. Vinca Varieg., field grown, \$5.00 per 100. Chas. H. Green, Spencer, Mass.

Violets—Boston Violet clumps, \$10.00 per 100. Gov. Herrick, \$4.00 per \$100. A. B. Campbell, Cochransville, Pa.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.

For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Helton & Hunkel Co., Milwaukee, Wis.

William B. Hellescher's Wire Works, 23-45 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
For page see List of Advertisers.

Weich Bros., 228 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St., Buffalo, N. Y.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincinnati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

M. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McMannus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St., New York.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Shinn, New York, N. Y.
For page see List of Advertisers.

Philadelphia

Leo Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1006-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**Richmond, Ind.**

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**FIELD-GROWN CARNATIONS.**

J. Fuller, Leominster, Mass.
For page see List of Advertisers.

FALL BULBS.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

GALAX AND LEUCOTHOE.

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

KILLARNEY RIBBONS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

LANDSCAPE PUBLICATION.

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

LILIAM CANDIDUM.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

MIGNONETTE SEED.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

PAEONIES.

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

SPECIALTIES IN BULBS.

F. R. Pierson Co., New York, N. Y.
For page see List of Advertisers.

VIOLET PLANTS.

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

WHOLESALE SEED GROWERS.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

List of Advertisers

	Page		Page		Page
Abrams, F. B.	435	Krick, W. C.	450	Vincent, R., Jr.	445
Advance, The Co.	459	Kroeschell Bros.	459	& Sons	431-445
Allen, J. K.	450	Co.	459	Wadsworth, B.	431
American Nur-	432	Kuebler, W. H.	450	E.	431
ery	432	Lager & Hurrell	430	Wants, For Sale	456
Aphine Mfg. Co.	442	Landscape Archi-	442	Ward, R. M. &	439
Aschmann, G.	430	tecture	442	Co.	439
Banner, J. L.	451	Langjahr, A. H.	450	Waterer, John &	432
Barnard, W. W.	445	Lawrence, H. V.	446	Sons	432
Co.	445	Leonard Seed Co.	445	Welch Bros.	448
Barrows & Son	440	Leuthy, A. & Co.	431	Wilson	446
Bayersdorfer, H.	447	Long, W. H.	446	Wood Bros.	431
& Co.	447	Lord & Burnham	460	Yokohama Nur-	431
Beaven, E. A.	451	Co.	460	series	431
Bobbin & At-	452	Low, Stuart &	442	Young & Nugent	446
kins	452	Co.	442	Zangen, O. V.	445
Boddington, A. T.	441	MacMullin, E.	447	Zinn, Julius A.	447
Boston Florist	447	Matthews	446		
Letter Co.	447	McCarthy, N. F.	450		
Boston Plate &	459	& Co.	450		
Window Glass	459	McConnell, Alex.	446		
Co.	459	McCray Refriger-	447		
Boström, Brady	442	ator Co.	447		
Mfg. Co.	442	McCullough's, J.	448		
Braslan Seed Co.	445	M. Sons Co.	448		
Breck, J. & Son	445	McHutchison &	431		
Freitneyer's, J.	446	Co.	431		
Bridgeman's Seed	445	McKellar, C. W.	448		
Warehouse	445	McManus, Jas.	450		
"Buds"	445	Metropolitan Ma-	459		
Burpee, W. A. &	445	terial Co.	459		
Co.	445	Michell, H. F.	444		
Burr, C. R.	432	Co.	444		
Buxton, Doane	459	Michigan Cut	448		
Co.	459	Flower Ex.	448		
Carrillo & Bald-	430	Millang, A.	450		
win	430	Millang, Chas.	450		
Chicago Carna-	431	Moulmer, J. C.	459		
tion Co.	431	Co.	459		
Childs, John	444	Moore, Hentz &	450		
Lewis	444	Nash	450		
Clarke, Dan'l A.	432	Morse, C. C. &	445		
Clarke's, D.	446	Co.	445		
Sons	446	Murray, Samuel	446		
Cowee, W. J.	448	N. E. Nurseries	432-440		
Craig, Robt. Co.	441	Nicotine Mfg. Co.	457		
Crawback, G. W.	450	Niessen, Leo. Co.	448		
Crawford, H. F.	456	Oechslein, Frank	431		
Dards	446	Ordenez Bros.	430		
Dingee & Conard	441	Ouwkerk, P.	432		
Co.	441	Palethrope, P. R.	457		
Donner & Sons	431	Co.	457		
Co.	431	Palmer, W. J. &	446		
Dreer, H. A.	443-458	Son	446		
Dunlop, John H.	446	Park Floral Co.	446		
Dysart, R. J.	451	Parshelsky Bros.	459		
Edwards Folding	448	Peacock Dahlia	441		
Box Co.	448	Farms	441		
Ellwanger &	441	Pennock-Meehan	449		
Barry	441	Co.	449		
Elliot's, W.	445	Perkins St. Nur-	431		
Sons	445	series	431		
Esler, J. G.	459	Peters & Reed	458		
Ernest, W. H.	458	Co.	458		
Eyres	446	Pierce, F. O. Co.	459		
Farquhar, R. &	445	Pierson, F. R.	443		
J. & Co.	445	Co.	443		
Foley Mfg. Co.	459	Pierson, A. N.	431		
Ford, M. C.	450	Pierson, U. Bar	460		
Ford, W. P.	450	Co.	460		
Fottler, Fiske	445	Poehlmann Bros.	448		
Rawson Co.	445	Pratt, B. G.	457		
Freeman, Mrs.	446	Pulverize Ma-	457		
J. B.	446	nure Co.	457		
Freeman, G. L.	430	Raedin Basket	448		
Co.	430	Co.	448		
Froment, H. E.	450	Red Oak Nurse	442		
Fuller, J.	431	ries	442		
Galvin, Thos. F.	447	Reed & Keller	450		
Gloekner, Carl	445	Reinberg, Peter	448		
R.	445	Rice Bros.	448		
Greater N. Y.	450	Rice, M. & Co.	430		
"Florists' Asso.	450	Rickards Bros.	445		
Grey, T. J. Co.	445	Robinson & Co.	448		
Gude Bros. Co.	446	Rock, Wm. L.	446		
Hall Association	459	Roehrs, Julius	430-431		
Hart, Geo. B.	450	Co.	430-431		
Heacock, Jos.	438	Roland, Thos.	431		
Co.	438	Rolker, A. &	458		
Herbert	431	Sons	458		
Hewes, A. H. &	458	Rosens	448		
Co.	458	Sander & Son	430		
Hillinger Bros.	458	Schultz, Jacob	446		
Hill, The E. G.	430	Scott, John	431		
Co.	430	Sharp, Partridge	459		
Hitchings & Co.	460	Co.	459		
Hoerber Bros.	440	Sheridan, W. F.	450		
Home Corresp.	456	Siggers & Sig-	458		
School	456	gers	458		
Horan, E. C.	450	Skidelsky & Ir-	445		
Hum, E. H.	457	win	445		
Kasting, W. F.	450	Slinn, B. S., Jr.	450		
Co.	450	Smith, E. D. &	431		
Kentucky Tobacco	457	Smith, P. J.	450		
Product Co.	457	Smith, W. & T.	432		
Kervan Co.	450	Co.	432		
King Cons. Co.	459	Smith, Wm. J.	446		

Obituary.

George Wittbold.

The death of George Wittbold occurred Monday morning, September 19th, and was a great surprise to most of his friends. Founder and head of the well known firm of The Geo. Witt-



GEORGE WITTBOLD

bold Co., he was actively engaged in business till two weeks ago and in the delirium of his last hours he talked of his plants and flowers and his work.

Geo. Wittbold was one of Chicago's pioneers and has been in the florists' business here for over half a century and at his present location, corner Buckingham place and Halsted street, forty-three years. With his four sons, who are all members of the firm, he built up the largest decorating business in the West and in addition to their large wholesale and retail florist business has a nursery at Edgebrook.

Geo. Wittbold was born April 25th, 1833, at Hanover, Germany. In 1861 he was married to Emma Frick. Mr. Wittbold went to Chicago in 1857 and opened his first store at Clark street and North avenue, where the Plaza Hotel now stands, and ten years later started at the present site, where his residence also stands. One son, Gustav, passed away two years ago. Of the daughters, Mrs. James and Mrs. Neve married florists and Miss Helen is left to care for the aged mother.

The funeral was held on Wednesday

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

LEARN WIRELESS and R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Davenport, Ia., Columbus, S. C., Portland, Ore.

SITUATIONS WANTED

POSITION AS FIREMAN

In Nursery. Acquainted with steam fittings.

JOHN P. CAREY

Fishers Court, Bath, Me.

WANTED Position by young American in greenhouse, with chance to learn the trade. Hardworker, sober, honest. Best of references. Address, S., care of HORTICULTURE.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house Kaiserins good stock. 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD, Montello Station, Brockton, Mass.

GREENHOUSE, 14,000 square feet of glass, steam heat, stock of 12,000 chrysanthemums, 5,000 violets, 500 pinks, 500 marguerites, 6,000 geraniums, includes cuttings and stock; 1,000 vincas; other stock. Eleven room house, stable, two henneries, etc. Town water and electric pass. Sixteen acres of land, 14 miles from Boston. Price \$6500; easy terms. R. E., care of HORTICULTURE PUBLISHING COMPANY.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

from his late residence and interment was at Graceland.

H. A. Tracy.

On Aug. 18 last H. A. Tracy, pro-

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....\$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

Furnishes the
Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....\$ 1.50
1/4 Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

prietor of the Orchid and Bulb Nursery, Twickenham, Eng., was stricken with paralysis and died the same evening. The deceased, who was 60 years of age, was a popular man of business, a member of the Orchid Committee of the Royal Horticultural Society. One notable plant, viz., Cymbidium Tracyanum, was named in his honor. He was one of the first nurseryment to import and offer at moderate prices Odontoglossum crispum and other species of orchids that have become popular in Great Britain, Japanese lilies and other plants. The business will be carried on by his nephew.

Simeon Marshall.

This much respected landscape gardener, well known in Yorkshire and the North of England, died in his 74th year, at his residence, the Manor House, Brafferton, on Aug. 20. For some years he was gardener at Stockfield Park, Wetherby, and subsequently he entered the service of Messrs. J. Backhouse & Son, York, as a temporary hand, and later he became one of the regular staff, and subsequently he became landscape gardener to the firm, laying out or remodeling many old gardens in the county. He was among the first to take orchids in bloom to the famous Stevens' Auction Rooms, Covent Gardens.

Frederick W. Flight.

Frederick W. Flight, one of the founders (1883) of the Winchester (England) Horticultural Society, died on Aug. 15 in his 76th year. He was an enthusiastic cultivator of roses and carnations and a regular exhibitor at shows in Hampshire, Sussex and adjoining counties. The deceased was the raiser of several new roses, among which is the dwarf Rambler Mrs. F. W. Flight. He was for many years an exhibitor of the now-eclipsed incurved chrysanthemums.

James McBean.

The death of this eminent English orchid nurseryman occurred at his residence, Cooksbridge, Aug. 21. The deceased was chief partner in the firm of J. & A. A. McBean. Odontoglossum crispum was largely grown at Cooksbridge and the firm became famous for the fine spotted varieties raised or imported by it. During late years great success attended the labors of the firm in crossing and hybridizing various species of orchids, a work in which the late Mr. McBean was greatly interested.

Prof. W. M. Munson.

Acquaintances in Franklin County and in all parts of Maine and elsewhere

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

will regret to learn of the death of Prof. W. W. Munson, formerly for many years head of the horticultural department of the U. of M. Prof. Munson died at Howell, Mich., his native town, on September 2.

Marie I. Dickinson.

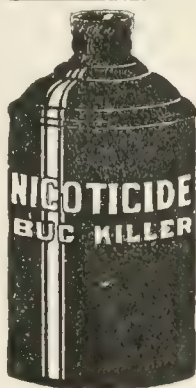
The funeral of Mrs. Marie I. Dickinson, wife of Charles Dickinson, vice-president of the A. Dickinson Seed Co., was held Sept 20, from the family residence, 1531 Dearborn avenue, Chicago. Mrs. Dickinson died Saturday night after a brief illness.

NEWS NOTES.

Indianapolis, Ind.—Wm. Farley is now employed by Bertermann Bros. Co.

Lake Forest, Ill.—Albert Weisenberger is now employed as head gardener for J. Ogden Armour.

Pueblo, Col.—It has been decided to erect a conservatory and superintendent's bungalow at the main entrance to the city park. Architects have been instructed to prepare plans and the building is to be completed by next summer.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

**P. R. Palethorpe Co.
OWENSBORO, KY.**

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company
13 Union Stock Yards Chicago**



In ordering goods please add "I saw
it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNT

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CONTEMPLATED.

Troy, Ill.—J. R. Ward, addition.
Detroit, Mich.—C. J. Pult, one house.
Fremont, Neb.—C. H. Green, addition.
Lyme, Conn.—John Trotter, one house.
Sunbury, Pa.—J. C. Packer, one house.
Yeadon, Pa.—H. J. Leech, one house.
Lisbon, Ohio.—Charles Underwood, addition.
St. Louis, Mo.—Alexander Johnson, one house.
Philadelphia, Pa.—M. J. Callahan, one house.
Hamburg, Pa.—Steve Sousley, house, 22x72 feet.
Darby, Pa.—John J. Sheahan, house, 21x100 feet.
Washington, D. C.—George A. Comley, two houses.
Lake Forest, Ill.—G. R. Riemersma, house, 31x86 feet.
Milwaukee, Wis.—Charles Menger, house, 20x40 feet.
Washingtonville, Ohio.—Joseph Cox, house, 20x64 feet.
Indianapolis, Ind.—Martin Brandlein, sweet pea house.
Los Angeles, Cal.—Dietrich & Turner, house 37x300 feet.
Auburndale, Mass.—The F. W. Fletcher Co., one house.
York, Pa.—Charles E. Smith, house, 15x70 and one 20x120 feet.
North Cambridge, Mass.—John McKenzie, house, 25x100 feet.
Chester, W. Va.—The Chester Greenhouse Co., range of houses.
Norwood, R. I.—Nathan D. Pierce, carnation house, 24x100 feet.
Andover, Ohio.—Chase & Chase, two houses, each 16x50 feet.
Port Arthur, Tex.—Port Arthur Nursery Co., range of houses.
York, Pa.—C. A. Schaefer, violet house, 20x130; carnation house, 30x130 feet.
White Marsh, Md.—R. Vincent, Jr., & Sons Co., two houses, 35x250 feet each.
Libertyville, Ill.—J. E. Meredith, one house completed and several more to be added.

Des Plaines, Ill.—Charles Wiffin, one house in prospect for his specialties—pansies, peas and snapdragon.
D. T. Connor (agent in Philadelphia for the Lord & Burnham Co., of New York), reports recent operations in that vicinity as follows:

F. W. Morris, Villa Nova, Pa., house, 20 x 70 feet; Jas. F. Sullivan, Radnor, Pa., house, 20 x 75 feet; H. Clement Brown, Rising Sun, Md., house, 24 x 125 feet; James W. Talley, Wilmington, Del., house, 21 x 58 feet; M. J. Callahan, 3923 Market street, Philadelphia, house, 20 x 75 feet; James M. Thoires, Camden, N. J., house, 20 x 50 feet; J. M. Palmer, Kennett Square, Pa., 3 houses, 28 x 110 feet; Wm. Berger

Germantown, Philadelphia, 3 houses, 20 x 100 feet.

NEWS NOTES.

Herrin, Ill.—Wm. Ridgway has just installed a \$1,500 heating plant in his greenhouse.

Wickford, R. I.—Peter S. Byrnes has removed his old greenhouse to his new location.

Paris, Tex.—Thirty acres of land near Mena have been purchased by J. M. Moreland and he will establish a nursery upon the same.

Port Arthur, Tex.—George Doner, formerly of Vicksburg, Miss., will be in charge of the greenhouse department of the Port Arthur Nursery Co.

Fulton, Ill.—A thirty by seventy foot warehouse and office building is to be erected by the Riverside Nursery Co. on the property recently purchased on Prairie street.

Mount Clemens, Mich.—Robert Klagge is erecting a 40 x 150 foot storage house. The many bulbs he has now on the way will be grown in the houses which are now filled with chrysanthemums.

Bay City, Tex.—S. J. Baker, who has had charge of the Lane City branch of Stockwell's Alvin Nursery, has moved here with a view to starting the Bay City Nursery of citrus stock and other fruits. The Lane City enterprise will be converted into an orchard and the nursery proper conducted at Bay City.

Savannah, Ga.—John Wolf has taken over the Savannah Floral Co.'s floral business and will take charge October 1. He will run same in connection with his own business, the Savannah Floral Co. going out of the retail floral business entirely. In their plant they will grow greens, mostly Asparagus plumosus, and sell at wholesale.

Downers Grove, Ill.—The A. B. Austin Nursery Co., whose incorporation was reported in our Sept. 17th issue, was started in 1856 by Albert Havens. He was later succeeded by A. B. Austin, who owned the business until his decease in 1905. On the decease of Mr. Austin, J. C. Allen and F. C. Littleford formed an equal partnership and took over the business. The recent incorporation was to enable them to go after business in a larger way. They have a good local trade in Chicago and vicinity. Their specialty is landscape gardening.

THE ASTER BEETLE.

HORTICULTURE.

Boston, Mass.:

Tell your subscriber to try Hammond's Slug Shot for Aster Beetle. I have killed millions with it; apply mornings while plants are wet. It does not disfigure foliage and washes off easily. This is in answer to question in your paper September 17, 1910, page 424.

LEWIS H. WISE.

Jersey City, N. J.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2in pots in crate \$4.88	144 6in. pots in crate \$3.26
1500 2 1/4 " " 5.25	120 7 " " 4.20
1500 3 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
210 5 1/2 " " 3.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florist' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

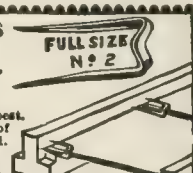
28th & M Sts., Washington, D. C.

Holds Glass Firmly

See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DEER,
714 Chestnut St. Phila., Pa.



In ordering goods please add "I saw it in HORTICULTURE."

PATENTS

Trademarks and Copyrights

Send your business direct to Washington Saves time and insures better service Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



Advance Ventilating Machines

Investigate them, as other
florists have done and personally
know they are the best. They
are made to last.

Let us send you circulars and
prices of our line. We know
that you will become an en-
thusiast.

Your inquiries or orders will
be appreciated and will receive
our most careful and prompt
attention.

The Advance Co.
RICHMOND, IND.



Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
hard putty. Lasts longer than putty. Easy to
apply.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

KING GREENHOUSES

Stand the test of wind and storm as well as
of time. They are designed to do it, taking
into account all the conditions.

When a man knows his greenhouses will stand
he is at liberty to put all his time and thought
to growing things, and that is what he wants
to do.

Write for our Bulletins.

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

CYPRESS SASH BARS 32 feet or longer HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.
Telephone, Fort Hill 2475



Get on the inside of our Curved Eave Houses.

There is no other house made like it. We know how they ought to be built. See how light and attractive this interior proves them to be.

Hitchings & Company
1170 BROADWAY NEW YORK



Plan 87

You will not wonder we call this one of our **ideal plans**. Ideal because a palm house and wings with work room at the back, joined by a connecting house, can't be beat for handiness in working and economy in distribution of the heat. It is an equal distance from either wing house to the boiler and the circulation in the coils can be evenly balanced. From any point of view, this Plan 87 is attractive. Just how attractive, is shown in The Advance Pages from our New Catalog. Send for them. Some of the illustrations are in color. Every Gardner or Superintendent should have it for reference.

Lord & Burnham Co.

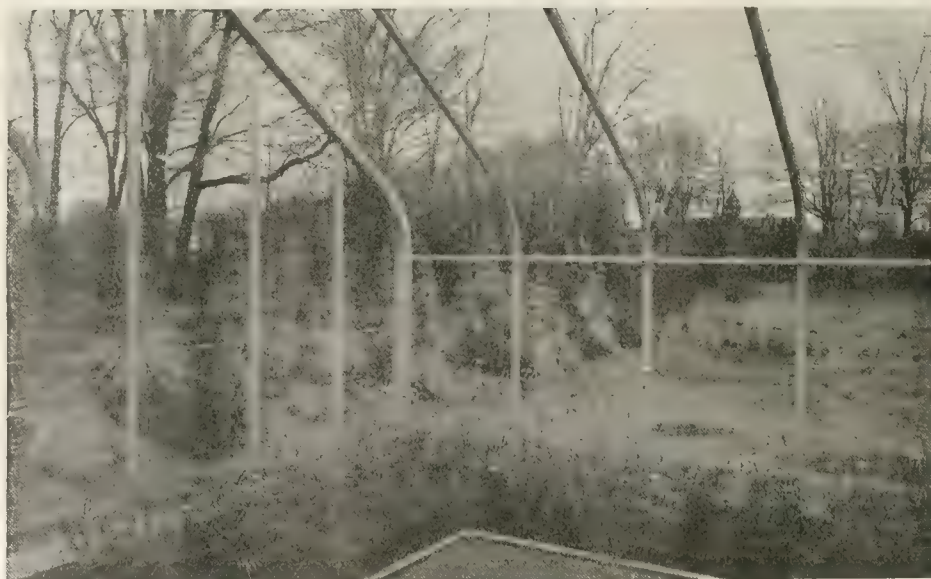
Irvington, N. Y.

New York
St. James Bldg

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Reokery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

OCTOBER 1, 1910

No. 14



DIMORPHOTHECA AURANTIACA

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



THE JUDGES

decided that there was ONE florists' supply house in America. Our exhibit was worthy of receiving the ONLY award of

HONORABLE MENTION

at the convention of the S. A. F. O. H., Rochester, N. Y. It is needless to say to wide-awake florists that this highly coveted award was made to

M. RICE & COMPANY

THE leading florists' supply house in America.

We want to bring this fact home to you when you read these lines; we want you to think what it means, these years of untiring work in studying your needs.

The judges of your society believe that we have accomplished that which has been accomplished by no one else, that our exhibit showed intelligent understanding of the needs of the florists of today, that we are working with you and with your best customers for the advancement of floral art.

We hope you will feel that it is to your interest to come to us and tell us of the difficulties you meet in your work and let us help you with them.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Importers — Manufacturers — Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, O. Marshallianum, O. Fobesii; Laelia purpurata, L. chnabarina; Cattleya citrina, Odontoglossum grande.

**CARRILLO & BALDWIN,
Mamaroneck, New York.**

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

**LAGER & HURRELL, SUMMIT
N. J.**

**Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.**

The E. G. Hill Co.

**Wholesale Florists,
Richmond, Ind.**

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of thoroughly tested hybrids. **For Forcing Purposes** we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SPECIAL PRICES.

CALIFORNIA PRIVET.

	Per 100	Per 1000
3 to 4 ft., extra heavy.	\$4.00	\$35.00
2 to 3 ft., extra heavy.	3.00	25.00

BERBERRY THUNBERGII.

	Per 100	Per 1000
18 to 24 in.....	\$10.00	\$80.00
12 to 18 in.....	8.00	60.00

CAROLINA POPLAR.

	Per 100
10 to 12 ft.....	\$20.00
8 to 10 ft.....	15.00
7 to 8 ft.....	8.00

LOMBARD POPLAR.

	Per 100
10 to 12 ft.....	\$20.00
8 to 10 ft.....	15.00
7 to 8 ft.....	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.,
The Burr Nurseries,
Manchester, - Conn.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Two of My Specialties FOR FALL DELIVERY

Pinus resinosa
8-12 inch transplants, 100 1000
\$20.00 \$180.00

Berberis Thunbergii
15-18 ins., extremely bushy, 8.00 75.00
18-24 " " " 12.00 90.00
24-30 " " " 15.00 120.00

These plants are strong, healthy, shapely, well-rooted and in every respect first grade specimens.

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - - R. I.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

PHLOX

Extra Heavy, field-grown plants,
\$6 00 per 100; \$50 00 per 1000.

Madam Meuret, Stella's Choice,
Madame Pape-Carpentier, Le Pole
Nord, etc.

Send for Sample

T. C. Thurlow's Sons, Inc.
WEST NEWBURY, MASS.

LANDSCAPE ARCHITECTURE

A QUARTERLY

50 cents an issue. 2 dollars a year

Official Organ of the American Society of Landscape Architects.

Devoted to the interests of the profession. It will contain authoritative articles on CITY PLANNING, PARKS, GARDENS, PLANTING and all subjects appertaining to the art of Landscape Architecture.

Published and edited by CHARLES DOWNING LAY, HENRY VINCENT HUBBARD and ROBERT WHEELWRIGHT, at 103 Park Ave., New York City.

Seasonable Notes on Culture of Florists' Stock

ACACIAS

Plants that were trimmed back last spring and have been plunged out of doors all summer should have now finished up a fine growth which will not fail to give a profusion of wonderful bloom by next Easter. These plants do not like heat, and consequently are not adapted for forcing. They should be wintered in a cool house, and as near as possible allowed to come along naturally. They thrive in a winter temperature of 40 to 45 degrees, and if Easter is late they should be kept just a little above the freezing point, as with the increasing heat and light of the spring it is sometimes hard to keep them back. There are a great many species of acacias, but only a few that merit a place in the florists' plant collection. For the trade the dwarf varieties are found to be the most satisfactory in every way. Some of the best are *Acacia armata*, *A. cordata*, *A. lineata*, *A. grandis*, *A. paradoxa*, *A. heterophylla*, and a few others.

CANTERBURY BELLS

These plants possess so many advantages that all florists should grow some. Their culture is simple, requiring only very little handling and care. Those who planted out a batch last spring in the open border should now lift a good number and pot them up, using any good rose or carnation soil. Azalea or half pots are the best to use. Plants that have been grown in the field will give the biggest plants, though they are not necessarily the most floriferous. I prefer constant pot culture for these plants, because you will get better and stocky specimens, that are always well established before winter sets in, and such stock is always sure to give the best results when grown under glass. When lifting and potting field-grown stock, they should be given a semi-shady spot outside for a week or so, and after that expose them to the full sunshine. When severe frost threatens they can be placed in a deep frame, where they can remain until wanted for indoor blooming.

CARNATIONS

It is time now to have your carnation supports in place. When this has been done the heaviest part of the season's work is over. Your time in the future will be taken up with the more pleasant but equally important work of keeping the plants in a trim and healthy condition. Heat, air and water are three important factors for the grower to have under control. We must regulate the water supply and the ventilation almost entirely by the amount of sunshine we get, over which we have not the least control. When there is plenty of sunny weather the plants will want plenty of water and fresh air, but when conditions are the reverse the plants grow slower, with evaporation more tardy, which means that they want less water. There will be many nights in the next few weeks when you will have to run heat around your houses, but keep the ventilators up a little, as the moisture will not gather in the house so much, and the various spot diseases will not start so readily. The plants should be gone over at least once a week and disbudded. Fumigating once a week is a sure preventive for green fly and thrips. If the plants have made a good growth the soil in the bench will be partially exhausted and feeding from

now on may be done with safety. A light dusting of sheep manure once a week will be very beneficial.

HERBACEOUS PERENNIALS

Now is a good time to set about making or arranging a herbaceous border. The first point to be considered is the location; if possible, give your border a back-ground, also a place where it may be seen to good advantage, as it will be a good advertisement in displaying a number of each variety. A good many retail florists have what they call a show border, and it helps wonderfully in selling their field grown stock of perennials. In the preparation of the soil for a show border, you can scarcely give too much attention. If it is too wet it should be drained. If inclined to stiffness, or of a clayey nature, it should be thoroughly worked to a depth of 15 to 18 inches and a quantity of manure incorporated into it. If light and of a sandy nature, the addition of some swamp muck and good manure will improve it. The following is a good list to plant in such a border, using judgment in planting the dwarf varieties on the edge or front and those of medium height for the center and the tall growing varieties for the background. *Achilleas*, *alyssums*, *pinks*, *Phlox subulata* and *davuricata canadensis*, *Primula veris*, and *Iberis sempervirens*,—these are good for the front of the border. *Anemone japonica*, *Queen Charlotte*, and *Whirlwind*, *aquilegias*, *Michaelmas daisies*, *Chrysanthemum maximum*, *Coreopsis lanceolata*, *Delphinium formosum*, *Dicentra spectabilis*, *Gaillardia grandiflora*, *Gypsophila paniculata*, *Lobelia cardinalis*, *Lupinus polyphyllus*, *Monarda didyma* and *splendens*, *peonies*, *Papaver orientale*, *pentstemons*, *digitatis*, *phloxes*, *Pyrethrum roseum*,—these are of medium height and good for the center. *Hollyhocks*, *boltonias*, *Bocconia cordata*, *Digitalis gloxiniaeflora*, *helianthus*, *Eupatorium purpureum*, *Hibiscus moscheutos*, *Aconitum Fischeri*, and *Cimicifuga racemosa*,—these are tall growing varieties and are good for the background.

NEPHROLEPIS

It is now time to work up bench-grown stock into salable form. An early potting off is essential to convert them into good stock for winter and spring sales. Only when well established in their pans, pots and baskets, and somewhat hardened off, do these ferns uphold their reputation as a decorative subject. A good soil to use is one that is rather stiff, but well enriched with good old manure, prepared some time before using, to which a good proportion of coarse sand is added. The potted pans, pots, or baskets, should be placed under a shading for a week or two and then gradually inured to the full light and abundant ventilation.

POLYPODIUMS

Polypodium aureum is a most useful and decorative plant, and should be more grown as it will stand a dry atmosphere very well. The spores should be sown on a mixture of very finely chopped fern root and moss with a little fine soil added. The seed pans should be placed in a temperature of 65 to 75 degrees, and in shaded position, covering with a pane of glass until they germinate. As soon as they begin to make fronds transplant to other pans. This fern can also be increased by rhizomes.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Chrysanthemums*; *Dutch Bulbs*; *English Ivy*; *Ficus pandurata*; *Lilies*; *Miltonias*.

HORTICULTURE

VOL. XII

OCTOBER 1, 1910

NO. 14

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION— <i>Dimorphotheca aurantiaca</i> .	
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK— <i>Acacias—Canterbury Bells—Carnations—Herbaceous Perennials—Nephrolepis—Polypodiums—John J. M. Farrell</i>	465
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	467
DIMORPHOTHECA AURANTIACA.....	467
CLUBS AND SOCIETIES:	
Connecticut Horticultural Society—American Rose Society—New York Florists' Club—Newport Horticultural Society.....	468
Massachusetts Horticultural Society—American Institute of New York.....	469
Horticultural Society of New York—Springfield, O., Florists' Club—Florists' Club of Philadelphia—Club and Society Notes.....	470
CYPRIPEDIUM CASTELL BUTTON, Illustrated ...	469
AN AUTUMN ROSE SHOW— <i>W. H. Adsett</i>	472
SEED TRADE:	
The Seed Crop Outlook—The Michell Trial Grounds, G. C. Watson—Notes.....	476
OF INTEREST TO RETAIL FLORISTS:	
New Flower Stores—Steamer Departures.....	478
Flowers by Telegraph.....	479
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago.....	481
Cincinnati, New York, Philadelphia, Washington....	483
OBITUARY:	
Frederick Ehrenberg—Frank S. Sherburne—Marie M. Keitsch—Henry B. Crosby—Emily D. Schultheis	488
DURING RECESS:	
Newport Horticultural Society Ball—Bowling.....	489
MISCELLANEOUS:	
College Point Plant Outlook.....	470
The Washington Show.....	470
Michell's Dahlia Show.....	471
An Interesting Nursery.....	472
Catalogues Received.....	473
Personal	474
Philadelphia Notes.....	474
A Mt. Clemens Grower— <i>F. Danzer</i>	474
News Notes.....	478-489
Chicago Notes.....	479
Appraisers' Decisions.....	489
A New Florist Firm, portrait— <i>F. Danzer</i>	489
Greenhouses Building or Contemplated.....	490
Holiday Weather Insurance.....	490
Patents Granted.....	490

prevailed over a large section of this country. The condition of horticultural industries generally is not such that crop losses can be regarded with indifference. We feel sorry for the very many of our readers and patrons who have told us of the hardship brought upon them by the diminution or complete shutting off of their regular water supply. It will take many days of heavy downpour to fill up the springs and water courses and we shall be willing to undergo the discomforts of a week of old-fashioned rain storm in order to get back to normal conditions before the ground freezes. Unless we get it the losses of the coming winter must be considerable.

A hint to
the bulb forcing
industry

Our readers have no doubt noticed the high quality of the lily of the valley blooms now offered in the flower markets as compared with the stock seen generally in the past.

This improvement in quality of product is not to be attributed to the greater cultural skill on the part of the forcers but is due, unquestionably, to the change of import duty from 25 per cent. ad valorem to \$1.00 per 1000 specific on pips. So we have in this, at least one result of the tariff change which has turned out as predicted by its advocates. It has been well-known in past years that a very small proportion of the best lily of the valley pips ever came to this country and, even now, we do not fully realize the possibilities with the highest grade material produced in Europe. Our importers will do well to encourage by all possible means the buying of the highest quality pips as an incentive to the use of lily of the valley in floral work in the place of inferior Roman hyacinths and thus help to curb the greed of the French bulb syndicate which controls the Roman hyacinth market.

What
the dahlia
might do

The dahlias have been on dress parade and the displays that have been made this year have surely never before been paralleled in extent and in size, quality and variety of bloom. As seen in the ranks of individual specimens on the exhibition tables the dahlia, like the chrysanthemum under similar circumstances, gives little idea of its decorative possibilities when used with long stalks and foliage. Here we think the commercial dahlia growers are very remiss in neglecting the opportunities which the exhibitions afford for setting forth any qualifications which would tend to further popularize their specialty and increase its sale. It is true that the dahlia takes a very unpropitious time of the year for its flowering season, so far as the regular demand for decorative floral work is considered, yet one cannot look upon a vase of well-arranged dahlia blooms without being impressed with its unrivalled adaptability for bold ornate work and the conviction that this fact is not being demonstrated to the public as it should. Pushed and followed up by the enterprising methods used by manufacturers and dealers in other wares for public consumption the dahlia might be made to yield thousands of dollars more than it does each year to the florist business.

Which ever way we turn —among nursery-men, seedsmen, florists, or wherever a garden is cultivated—we encounter the same complaint of suffering and damage to crops by the extended period of drought which has

The water
famine.

British Horticulture

SHREWSBURY'S SUCCESS

As indicated in a previous letter, the annual show at Shrewsbury was a gratifying success. Following the traditions of former years, the trade vied with one another in sending their best, with the result that the marquees were filled with a magnificent collection of the pick of British nurseries. As in previous years, great interest was centered in the grape competitions. The chief class in this section is for twelve bunches, which must be shown to include at least four distinct varieties, whilst not more than four bunches of any variety must be shown. The first prize fell to Mr. J. Drakes, of Market Rasen (gardener, Mr. Barker), some choice samples of Muscats being included. The second prize went to Lord Belper, and the third to Lord Harrington, who usually is to the fore at these exhibitions. The plant section attracted a brisk competition. This year an addition was made to the schedule in the shape of a display of exotic hardy and cut flowers to occupy a space of 250 square feet. The test of excellence was chiefly in artistic arrangement, and the harmonious and correct blending of tints—a difficult test. Some effective displays were made in the class for decorated tables of fruit. Some of the finest fruit in the country was exhibited under the most artistic conditions. Sweet peas made a grand display. M. T. Jones, of Ruabon, who has a long list of honors to his credit, secured the Eckford challenge cup for a meritorious array in eighteen vases, the varieties including Tom Bolton, Mrs. Harcastle Sykes, and Earl Spencer. The section for bouquets and arrangement of cut flowers evoked a spirited contest; some exceptionally fine specimens of the floral artist's skill received the attention of the judges, this being one of the most popular departments of the exhibition. During the show a meeting of horticulturists was held at which it was decided to form a National Hardy Plant Society, for which a list of officers was appointed.

GRAPE CULTURE

An interesting and informative lecture on grape growing has been delivered before the Royal Horticultural Society by Mr. A. C. Smith, the assistant superintendent of the Society's gardens at Wisley. Reference was made to the decline of the vine-growing industry in England in modern times. Eight hundred years ago Winchester, in Hants, was the centre of vine-yards. At that time the grapes grown in Hampshire were finer than those produced in France. The wine made from the fruit caused the cathedral town to be called the City of Wine, or Winchester. Owing to various causes, mainly political and agricultural, grape growing in England fell into abeyance, and was not seriously revived until 1718, when the Duke of Rutland had his garden walls fitted with frames. The famous vine at Hampton Court was planted in 1769, and last year bore an abundance of well formed and full flavored bunches; this demon-

strated the longevity of the vine when properly tended. Although there are only two leading varieties of vine in England, the Royal Horticultural Society has succeeded in cultivating no fewer than 40 of the lesser known varieties. Among those which call for special commendation are the Muscat Champion, which though slow to start is one of the finest fruits; the Prince of Wales, a blue-black grape of large size and lustrous appearance; the Black Prince, which bears bunches from 18 inches to two feet in length. The lecturer sincerely regretted that the craze for huge grapes had caused the attention of growers to be diverted from the smaller, more luscious, and more highly flavored varieties.

JOTTINGS

Mr. Peter Veitch, of Exeter, has been elected President of the Horticultural Trades' Association, whose annual meeting has lately been successfully held.—The death has lately taken place of F. W. Flight, an enthusiastic rosarian, who raised the pink rambler, Mrs. F. W. Flight.—The Rev. W. Wilks, the Secretary of the Royal Horticultural Society, has lately taken a trip North for the benefit of his health.—A representative list of names is associated with the effort made to provide a memorial to the late Peter Barr, the "Daffodil King." The proposal is to provide a sufficient sum to maintain one child through the Royal Gardeners' Orphan Fund, and also to award a medal annually for special work in connection with daffodils.—At the annual meeting of the British Fern Society good progress was reported. C. T. Druery, V. M. H., was elected honorary secretary, and Alex. Cowan, president.—It is now announced that the International Horticultural Exhibition will be held in the grounds attached to the Royal Hospital, at Chelsea. The situation and accommodation are extremely suitable for this important event.—The Royal Botanic Society has in recent years passed through troublous times. The outlook is now much brighter. At the recent annual meeting, it was announced that the debt is decreasing; the number of members is increasing; whilst the Society is in possession of beautiful gardens which are very much better than anything else which exists in London.

W. H. Gelssett,

Dimorphotheca aurantiaca

We are indebted to A. T. Boddington for the use of the portrait of this sterling novelty which adorns our first cover page this week. Introduced a year ago this extremely showy garden annual has quickly made a place for itself among the indispensables. The petals are bright orange the effect of which is heightened by the dark disc surrounded by a black zone. The plant grows about 12 to 15 inches high and blossoms profusely all summer. It was introduced from Namaqualand, South Africa.

CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

Our annual exhibition of dahlias was held on the 22nd and 23rd inst., at Hartford, and proved to be very successful both from an artistic and a financial standpoint; the gate receipts being nearly three times greater than those of last season. Two fine days weatherwise brought out a large attendance; and fifteen new names of delighted spectators were added to the membership roll of the Society. Unity Hall basement was crowded for space to accommodate the splendid array of all classes of dahlias; and this leading flower was supplemented by smaller displays of roses, asters, gladioli, violets, etc. President John F. Huss, as usual, furnished from the sumptuous Goodwin greenhouses, for the stage decoration, a fine collection of palms, ferns, and stove plants; and he and his assistants deftly embellished the walls of the hall with ornamental grasses. J. A. Weber acted as floor manager, and did good service throughout the exhibition; acting also as floor guide for the judges, Messrs. A. W. Davidson of Ansonia, and Robert Hunknick of Rockville.

W. W. Hunt & Company, of Hartford, made a splendid non-competitive display of cut flowers, including dahlias, phlox, delphinium, boltonia, monkshood, poppies, tritoma, hardy sunflower, coreopsis, gaillardia, feverfew, Shasta daisy, etc. This firm also showed a nice collection of evergreens in pots.

Secretary Smith, of Melrose, was the only exhibitor of fruits, showing 24 two-quart baskets of apples, pears, grapes, plums, and prunes. His interspaces were filled with wreathed ground-pine, which at every crossing was decked with a spray of the bright red berries of *Viburnum opulus*. Much attention was drawn to a fine blue-striped aster, shown by L. C. Clark, of Plantsville.

H. F. Burt, of Taunton, Mass., was on hand with a dazzling array of dahlias, and, as usual, carried away many prizes in the professional classes. President Huss had his customary fine collection, and also secured many valuable prizes. D. W. Babcock, of Berlin, Md., sent a nice lot of dahlia blooms, which unfortunately were damaged en route by warm weather and rough handling; thus precluding his taking any premier awards, though securing a few third prizes. Other professional dahlia exhibitors receiving awards were: Warren S. Mason, of Farmington, gardener for the Pope Estate; James P. Ralph, of New Britain; Niel Nelson, of Hartford, horticulturist of the Retreat for the Insane; J. H. Slocombe, of New Haven; and Nathaniel Slocombe, of Farmington.

Special premiums offered by the trade went as follows: Henry A. Dreer, Philadelphia, for six blooms of "Susan" dahlia; Niel Nelson, first; J. F. Huss, second. Stumpp & Walter Company, New York, for five vases of any variety, 25 blooms Warren S. Mason, first. By the Plant & Land Food Company, Baltimore, for display of evergreens: W. W. Hunt & Company, first. By Luther Tucker & Son, Albany, N. Y., for collections of fruit,

asters, and gladioli, respectively (one subscription each to the "Country Gentleman"): Secretary Smith for fruit, James M. Adams for asters, and L. H. Robertson for gladioli.

The following gratuities were recommended by the judges: Cultural certificate to J. Albert Brodrib, of Hartford, for Golden Glow chrysanthemums; cultural certificate to the Whiting Greenhouses, West Hartford (Carl Peterson, manager), for collection of roses; special mention to A. W. Davidson (recommended by President Huss), for new seedling dahlias; and special mention to W. W. Hunt & Company, for collection of cut flowers.

Our largest, best attended, and probably most successful dahlia show having now passed into pleasant memory, our members have commenced preparations for the annual exhibition of chrysanthemums, and concomitant flowers, vegetables, and fruits, to be held at Putnam Phalanx Hall, Hartford, on November 3rd and 4th.

GEORGE W. SMITH, Sec'y.

Melrose, Conn., Sept. 27, 1910.

AMERICAN ROSE SOCIETY.

The schedule for the Spring Show of 1911, will soon be issued, giving the list of special premiums to be offered at the coming National Show in Boston. At the last annual meeting, special letters were issued to Richard Vincent, Jr., as representative of the American Rose Society at the National Exhibition held in Belgium and also the one held in the Royal Botanic Gardens at Regent's Park, London. Mr. Vincent reports having received the kindest attention and that the people in charge were delighted with the American Rose Society who extended the courtesy of a special representative. The Honorable Secretary, Mr. Edward Mawley, of the National Rose Society of England, writing under date of September 6th, says: "We were pleased to see the representative of your Society, the Rev. Dr. S. S. Sulliger and to welcome him at our leading exhibition on July 8th, and we are glad to hear from him that he much enjoyed the time he spent with us." These are pleasant acknowledgments of courtesy that tend to cement the friendship between the nations; the most desirable thing in the days of continued communication between civilized people.

The American Rose Society aims to have a "Rose for every Home, and a Bush for every Garden," and it is a fact that more outdoor roses are now in bloom and have been planted within the last three years than ever before saw the sun-light in America.

BENJAMIN HAMMOND, Secy.

NEW YORK FLORISTS' CLUB.

Ladies are invited to be present at the next meeting of the Club, Monday evening, October 10, on the occasion of J. Horace McFarland's illustrated lecture. Incidentally the secretary intimates that cigars will be excluded from the hall on that occasion so that nothing shall dim the beauty of the splendid stereopticon views which Mr. McFarland will present. His subject will be "The Florist and the Town."

NEWPORT HORTICULTURAL SOCIETY.

This Society held its autumn exhibition Sept. 17, 18 and 19, and although the premium list included a wide variety of horticultural products, it was mainly a dahlia show, the classes for other flowers and plants not being filled as well as usual, but as dahlias were represented in many different uses the value of this flower was well shown and the exhibition was one that the members may feel proud of.

The main winners in the plant classes were, James Boyd, John B. Urquhart, Oscar Schultz, C. Robertson, C. M. Bugholt, John Forbes and J. Robertson, with odds much in favor of Mr. Urquhart, he winning the Mrs. R. Goelet prize for table of decorative green plants and also being a successful competitor in many other classes throughout the list. C. M. Bugholt, gardener for Miss Fanny Foster, was the most successful exhibitor in the collections of dahlias, he showing them in excellent form. Good collections were also shown by W. F. Turner Co. and W. D. Hathaway, of New Bedford; H. F. Burt, of Taunton; E. S. Manuel, Sisson and Thurston, Mrs. W. B. Leeds, G. S. Stoddard, Mrs. T. O. Richardson and Mrs. T. K. Gibbs, of Newport. The prize offered by R. & J. Farquhar & Co. for vase of peony-flowered dahlias was won by O. B. Chapman, Westerly, R. I.

The honors in the fruit classes were divided between James McLeish, Samuel Speers and Mrs. T. L. Harrington. The prize for collection of vegetables was won by F. L. Mason, of Taunton; John Fletcher, of the Naval Training Station, getting first on the smaller collection.

The fancy baskets of dahlias, baskets of other flowers and centrepieces of dahlias, shown on the second day, brought out seventeen excellent exhibits which made judging no easy task, and the firsts were awarded in the order named, to Wm. Koehler, Hugh S. Meikle and J. Robertson. The table decorations on the third day were also well competed, ten well-equipped tables being set up and decorated in various designs, dahlias being used on eight of them, sweet peas on one, and chrysanthemums on the other. The silver cup offered in one of those classes was won by A. S. Meikle with a decoration of Mme. Henri Cayeux dahlias with swainsona as a foliage. The E. J. Berwind prize in another class was won by Oscar Schultz with a pretty arrangement of Pink Pearl dahlias in nearly umbrella shape. The first in the other class was won by Mrs. Herbert Coles, whose centrepiece of yellow Cactus dahlias was said to be the best of all.

Henry A. Dreer of Philadelphia, had on exhibition a collection of marvelous water lilies for which he was awarded a first-class certificate of merit. A certificate of merit was also awarded to Alex. Fraser for vase of *Gardenia grandiflora*, which seems to be an improvement on other varieties.

The judges were Richard Gardner, Alex. Fraser, John P. Hammond, Alex. MacLellan, John A. Forbes, John Mahan, Bruce Butters, Wm. Mackay

and A. S. Meikle, and were divided into sets of three, making it possible to do the work in much shorter time than with one set. The show was free to the public on Sunday, and visitors on that day were much more numerous than on pay days.

Among the visitors were J. K. M. L. Farquhar, Wm. J. Stewart, T. J. Grey and others of Boston; R. M. Bowen, of Providence, and Prof. E. A. Stene, of the R. I. State College, with a collection of plant destroying agencies.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Autumn Exhibition of this Society commenced on Friday, September 23rd, and remained open until the evening of the 25th, and in spite of the exceedingly dry season many fine exhibits were to be seen, while the majority of the classes were keenly contested. R. & J. Farquhar & Co. were responsible for several attractive exhibits, the most extensive being their display of herbaceous perennials which was awarded the silver medal. Dahlias in variety were also another feature and a fine exhibit of the new Peony-flowered varieties were a source of attraction. A selection of the new Chinese plants were of much interest, conspicuous among them being *Polygonum multiflorum*, a finely flowered specimen, *Buddleia variabilis* magnifica, *Clematis montana rubens*, *Lonicera Maackii*, a pretty shrub with creamy white flowers and *Sorbaria stellipila* with handsome panicles of white blossoms and fine foliage. Quantities of fruits were also shown of a new Chinese Bramble, *Rubus inornatus*, which promises to be a good plant commercially as the fruits are produced in large quantities and are of good flavor. Phlox seedlings and roses which were specially good for so late in the season were arranged among palms and ferns at the end of the lecture hall. A new tuberous begonia named Alice Manning attracted much attention on account of its distinct habit and wonderful floriferousness. The color is a pleasing pale yellow and it would seem that this plant has a future for baskets, etc.

The Fottler, Fiske, Rawson Co. has an exhibit of dahlias in variety, gladioli and herbaceous flowers. Conspicuous among the dahlias were Philadelphia, Miss Gladys Dawson, Rheingan and La Riente. This firm also had fine bunches of lilies including *tigrinum plenum*, *speciosum album* and *speciosum magnificum*. Some of their gladioli were specially good. Mrs. Francis King, Brilliant, Mrs. F. Pendleton, Jean Dieulafoy, Harvard and Attraction being among the best.

One of the most pleasing exhibits was a well-arranged group of gladioli in great variety from B. Hammond Tracy, which were very well developed spikes in the freshest of condition. A dinner table was also arranged by this exhibitor consisting entirely of gladioli, but we think there are other flowers more suitable for the purpose at this time of year.

All sections of dahlias were largely displayed and some very beautiful were to be seen among the cactus section, but there is yet much room for improvement in the methods of staging these *Nelumbiums* and water lilies from Henry A. Dreer, Philadelphia,

CYPRIPEDIUM CASTELL BUTTON.



The handsome hybrid cypripedium shown in the illustration was photographed at the orchid houses of the Julius Roehrs Company, Rutherford, N. J., and is believed to be the only specimen in this country. The flower

is of great substance and enormous size, the picture here shown having been much reduced. The variety is the result of a cross between *C. Fairrieum* and *C. oenanthum superbum*.

were attractively displayed in large tins on the floor, and some fine specimen ferns came from Mrs. Jack Gardner.

Vegetables and fruits were largely in evidence and in many cases showed signs of high culture. Thos. E. Proctor, Topsfield, Mass., had a magnificent exhibit of grapes, pleasingly arranged among splendid specimens of *Adiantum Farleyense*.

List of Awards.

Collection of cut blooms of hardy herbaceous plants to cover not less than 100 sq. ft. of space: 1st, R. & J. Farquhar & Co.; Dahlias Show, twenty-four blooms, named varieties: 1st, W. D. Hathaway; 2d, A. E. Johnson; 3d, E. W. Ela. Twelve blooms: 1st, W. K. Hall; 2d, E. W. Ela; 3d, Mrs. L. A. Towle. Peony-flowered, twenty-four varieties: 1st, W. D. Hathaway; 2d, Joseph Thorpe; 3d, W. F. Turner & Co. Twelve blooms: 1st, W. F. Turner & Co.; 2d, Joseph Thorpe; 3d, E. W. Ela. Decorative, twenty-four blooms: 1st, W. D. Hathaway; 2d, A. E. Johnson; 3d, W. H. Cruff. Twelve blooms: 1st, W. F. Turner & Co.; 2d, W. K. Hall; 3d, E. W. Ela. Potted, twelve vases of three blooms each: 1st, J. K. Alexander; 2d, E. W. Ela; 3d, W. D. Hathaway. Single, twelve vases of three blooms each: 1st, W. F. Turner & Co.; 2d, E. W. Ela. Largest and best collection of named varieties, one vase of each: 1st, G. H. Walker; 2d, J. K. Alexander; 3d, Herman L. Winter. Gladioli—Best display, arranged for effect: 1st, B. Hammond Tracy.

Gratuities: W. D. Hathaway, display of dahlias; Andrew W. Preston, display of dahlias; G. B. Gill, display of dahlias; Mrs. H. F. Durant, specimen *Onchidium* var.

cosum Rogersi; Mrs. J. L. Gardner, display of ferns; Mrs. E. M. Gill, display of cut flowers.

Silver Medals: Henry A. Dreer Co., display of water lilies; Fottler, Fiske, Rawson Co., display of dahlias.

Honorable Mention: R. & J. Farquhar & Co., roses, palms and ferns; G. B. Gill, seedling Cactus Dahlia Mrs. E. M. Gill; R. & J. Farquhar & Co., new Tuberous Begonia Alice Manning; Thomas E. Proctor, display of *Adiantum Farleyense*; R. & J. Farquhar & Co., seedling phlox.

Vote of Thanks: R. & J. Farquhar & Co., display of Chinese plants, and display of Peony-flowered Dahlias.

Foreign Grapes Collection of not less than four varieties, two bunches of each: 1st, Thomas L. Proctor; 2d, Morton F. Plant.

Apples, French prizes—Gravenstein: 1st, Elliott & H. Ward-Moore; 2d, G. V. Fletcher; 3d, H. A. Clark.

Pears, Wilder prizes—Bartlett: 1st, W. G. Kendall; 2d, G. V. Fletcher; 3d, C. B. Travis.

The regular prizes for apples, pears, peaches, plums, hardy grapes, melons, etc., in specified varieties, were well competed for. In vegetables the display was superb. F. W. Mason, Oliver Ames, W. Heustis & Son, J. B. Shurtleff, Jr., Wilfrid Wheeler and other well known experts being frequent prize winners.

AMERICAN INSTITUTE OF NEW YORK.

The hall in the Berkeley Lyceum was filled to overflowing with dahlias and other seasonable material on the occasion of the seventy-ninth annual

fair last week. Dahlias were the main feature but there were also some good decorative plant groups. Among the most prominent exhibits were orchids, celosias, etc., from Harry Turner, Rose W. R. Smith from G. H. Peterson, foliage plants from A. J. Manda, vegetables by H. B. Fullerton and E. L. Lewis. Leading dahlia exhibitors were W. P. Lothrop, Geo. L. Stillman, H. F. Burt, W. D. Hathaway, J. K. Alexander and J. T. Lovett. John Lewis Childs showed gladioli in fine array.

HORTICULTURAL SOCIETY OF NEW YORK.

The fall exhibition of this Society will be held at the American Museum of Natural History, from Wednesday, November 9th, to Sunday, the 13th, inclusive. The American Museum is ideally located in one of the finest residential parts of the city, occupying a portion of a park which extends from Central Park West to Columbus Avenue, and from 77th to 81st streets. Those who have visited the exhibitions of the Society in the past know of the unsurpassed facilities offered by this museum for the artistic display of plants and flowers, and we hope this fall to add to these many who have not visited them or exhibited before. All are welcomed as exhibitors, whether members of the Society or not. The exhibition halls are wide, well-ventilated, with ample light both day and night. The space at the disposition of the Society is ample, so that all may feel free to bring as much material as is desired. The museum halls are constructed to accommodate crowds. Last fall the exhibition was visited by nearly 38,000 people during the four days in which it was in progress.

Schedules of classes and premiums are ready for distribution, and a copy will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. The secretary will also be glad to answer any inquiries in regard to the exhibition.

The schedule provides thirteen classes for chrysanthemum plants in not less than 10-inch pots, ten classes for chrysanthemum blooms, open to all, eight classes for blooms, non-commercial growers, nine classes of 100 roses each, open to all, the same number, 25 roses each, for non-commercial growers, classes similarly divided for carnation exhibits, nine classes for table and mantel and other decorative work, thirty-seven classes for specimens and groups of decorative plants, twenty-five for orchids of which all but seven are "open to all," and five classes for fruit and vegetables. Within a few days two special prizes, one \$25.00 for the best specimen cattleya bloom and one \$15.00 for best collection of cypripedium blooms have been offered by Mr. Clement Moore.

FLORISTS' CLUB OF PHILADELPHIA.

The next monthly meeting of the Florists' Club will be held on Tuesday evening, Oct. 4. On account of an illustrated stereopticon lecture by Richard Vincent, Jr., on "Holland and its Bulbs," the lower hall has been secured for the meeting. Refreshments will be provided by the officers of the club—this being installation night.

This will be a very interesting and instructive meeting and a full attendance is assured.

SPRINGFIELD, O., FLORISTS' CLUB.

The Springfield Florists' Club held an election of officers at their meeting on Sept. 20, and the following were chosen for the coming year: President, Charles W. Schmidt; vice-president, Christian Binning; secretary, C. Earl Bethard; treasurer, Harry C. Reeser.

CLUB AND SOCIETY NOTES.

The next meeting of the Eastern Branch of the American Association of Park Superintendents will be held at 10 a. m., Saturday, October 8th, at the Quincy House, Boston.

The annual meeting of the Minnesota State Florists' Association was held on September 20. The old officers were all re-elected. Theo. Wirth, president; A. Swanson, vice-president; J. Jorgenson, secretary; E. Nagel, treasurer; executive committee, Messrs. Dysinger, Olson, Smith and Cady.

The date for the flower show was definitely set for November 9 to 13.

COLLEGE POINT PLANT OUTLOOK.

Anton Schultheis is making extensive improvements in his big establishment at College Point, N. Y., this season. Extensions are being added to two houses by Hitchings & Co. He is installing two big Burnham Sectional Boilers to replace a large number of the small Hitchings pattern and the latter will be used to heat the outside frames of which many more have been added to the outfit—built entirely of concrete.

Mr. Schultheis is fully restored now to his former health and activity and his stock throughout shows all evidences of plans for an aggressive season. He reports the plant business as showing a decided improvement over last year. Ericas have done well this summer and the stock is larger than heretofore. These with acacias, rhododendrons, hydrangeas, etc., are outside in frames and these, with heat pipes around the sides, are just right to keep such material in good condition regardless of weather. There are three houses of Lorraine begonias of remarkable size for so early, one house full of cyclamen, another of pot chrysanthemums and no end of poinsettias in pans of various size. Ardisias and oranges have set well with fruit and will soon begin to color for Christmas. One of the handsomest lots of plants in the place is a house of Gardenia Veitchii, the plants which are advertised by Mr. Schultheis in this issue being in splendid health in 5½ inch pots and with 10 to 15 branches each. The demand for the Everblooming Crimson Rambler cleaned out all one-year and two-year plants last spring. Another lot of one-year stock is now ready. This novelty is one of the best sellers in this country and in Europe also.

McHutchison & Co., New York have received this week 427 cases and packages, all from Belgium, and most of the goods are going in carloads to the Pacific Coast. Mr. McHutchison states that last year was his banner year in volume of business up to this time and he has more business now in sight ahead than at any time heretofore.

Decorative Plants

Laurels. Price per pair, from \$4.00 to \$10.00. From \$6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra Value for the Money.

- Aucuba Japonica, variegated, in pots.** For hotels, etc.; fine, bushy plants, well furnished, from 35c to \$3.00 each; also plants for \$4.00, \$5.00, \$6.00 per dozen. Large plants in wooden tubs.
- Abies Kosteri, in pots, \$1.50 and \$2.00 each.**
- Boxwood, perfect, globular, fine, 35c, 50c, 75c and \$1.00.**
- Rubbers, single and combinations, 8 to 9-in., from \$1.50 to \$4.00 each; 6-in., \$6.00 per doz.**
- Araucaria Excelsa, 2 to 2½ feet high, \$1.00 to \$1.50 each.**
- Araucaria glauca and robusta, \$1.25 to \$2.00 each.**
- Cibotium Schiedei, large plants, \$3.00 each; smaller, \$1.50 each, \$15.00 per doz.**
- Phoenix Roebelenii, young plants, 3-inch, \$2.00 and \$3.00 per doz.; larger plants, \$12.00, \$18.00 and \$24.00 per doz.**
- Pandanus Veitchii, 5½-in., \$1.00 each; 6-in., \$1.25; 7-in., \$1.50 and \$2.00; 8-in., \$3.00 each.**
- Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., \$12.00; from 15 to 24 inches high; larger, \$15.00; \$18.00 per doz.**
- Large Kentias, 11-in. tubs, 6 ft. high \$11.00 each; larger plants up to \$20.00.**
- Rhapis flabelliformis, 7 and 8-in. pots, \$3.40 to \$6.00 each.**
- Small Kentia Belmoreana, 3½-in. pots, \$20.00 per 100; 5 to 5½-in. pots, combinations, doz., \$9.00, \$12.00 and \$15.00; fine**
- Cocos Weddelliana, 3½-in. pots, \$15.00 per 100; 2½-in. pots, \$10.00 per 100.**
- Pandanus Uffis, 10 inch pots, \$3.00 each, four feet high, extra large, \$4.00 and \$5.00 each.**
- Crotons, 3 x 4-in. pots, \$3.00 and \$4.00 per dozen.**
- Dracaena fragrans, D. Lindenii, D. Massangeana, D. Gracilis, from \$1.00 to \$3.00 each**
- Golden Leaf Privet, fine plants, 4½-in. pots, doz., \$2.00; 100, \$15.00; very fine**
- Scholzeli and Piersoni Ferns, well shaped, 8 in. to 9-in. azalea pots, \$1.50, \$2.00 and \$2.50 each. Plants very fine**
- Boston, Whitmanii and Scotti, from 7-in. pots, doz., \$4.00, \$5.00 and \$6.00**
- Euonymus, variegated and green, 7 and 8-in. pots, nicely shaped, per pair, \$1.50, \$2.00.**
- Tradescantia hanging baskets, \$1.00 each**
- Maranta Zebrina, 4 and 4½-in., fine plants, doz., \$3.00 and \$4.00.**
- Gardenia Veitchii, fine, bushy plants, from 5½ in. pots, well branched, the kind for planting out, \$25.00 per 100.**
- Pandanus Sanderi, plants from 50c to \$2.00 each.**
- Chrysanth., for pot culture, from 6 and 7-in. pots, doz., \$6.00; 100 at \$45.00.**
- Variegated Aspidistra, \$1.50 and \$2.00 each. Plenty of leaves.**
- Dracaena indivisa, from 6-in. pots, 24-in. and over, doz., \$3.00; 100, \$25.00.**
- Erica melanthera, ready in pots for Christmas blooming. Now is the time to buy them. 50c to 75c each.**
- Lorraine Begonias. Buy now. Price will advance. 7-in. pans or pots, \$9.00 per doz.; 8 in pans, \$1.00 each. All splendid specimens.**
- Everblooming Crimson Rambler, Flower of Fairfield. Year-old plants, \$15.00 per 100. Best novelty in market.**
- Poinsettias, all sizes, in 6-in., 7-in., 8-in., 10 in. and 12-in. pans. Handsome, healthy stock**

75c for each case and packing.
Cash with order.

ANTON SCHULTHEIS, COLLEGE POINT,
L. I., N. Y.

THE WASHINGTON SHOW.

The executive committee of the Fall Flower Show which consists of E. C. Mayberry, Jas. L. Carbery, O. A. C. Oehmler, Wm. F. Gude, John Robertson, George Cooke and W. W. Kimmel have about perfected all arrangements. The committee earnestly requests that all out-of-town exhibitors will show their interest by taking some of the floor space which costs them nothing and will thus help to make the show a success. No entries accepted after October 15th.

The cream of the crop in Japan is Horseshoe Brand Giganteum of superior assortment. This brand is selected and packed by men who know; the bulbs will average better per thousand than any brand known. The price is \$75 per 1000 for size 7 to 9 inches, no matter who you are or where you are or how many you buy. Every case is recorded and contains a certificate of origin. No other dealer gets this brand—it is sold exclusively from this office direct to the growers.



Not How Cheap
But How Good

RALPH M. WARD & CO.

12 West Broadway, New York

PLANT AUCTION SALES! GREAT OPPORTUNITY!

TUESDAY, OCT. 4

FRIDAY, OCT. 7

BIG consignments of Palms, Foliage Plants, Ferns, etc. Just what you want for growing on for Winter trade. All from leading growers, and in lots to suit trade buyers. Also Bulbs for forcing and outdoor planting, including all the choice **NARCISSI, FORCING GLADIOLI, etc.**

Send for a Catalogue and get in on the ground floor for goods and prices.

FRUIT AUCTION COMPANY

All sales begin
at 10.30 A. M.

200-204 FRANKLIN STREET, NEW YORK

J. P. Cleary, Mgr.
Horticultural Dept.

MICHELL'S DAHLIA SHOW.

The Second Annual Dahlia Show of the Michell Seed Store was held at 1018 Market street, September 27th to 30th. This was a competitive exhibition in addition to being a commercial enterprise, and had considerable educative value to the general public as the names were correctly spelled and the varieties true to name. The exhibit comprised over 150 varieties. Some were staged on tables and counters, but most of them on stands in rising tiers—the latter by far the most effective way to show this flower to perfection. The exhibit was really beautiful and attracted great crowds. Much credit is due to Philip Freud, who originated this dahlia show idea, and who last year and this year carried out all the details. Mr. Fuld also lent able assistance in cases of imperfect nomenclature.

Among the loveliest varieties, according to the writer's idea, may be mentioned Jack Rose, a rich crimson, decorative; Miss Nellie Stewart, blush center, shading to pink at tips of petals, decorative; Madame A. Lumiere, white edged violet, decorative; a very bright distinct and pleasing flower, of good size; make a note of it; Clifford W. Bruton,—this old yellow decorative variety still holds its own as one of the best in its class and color; Lyndhurst, bright scarlet, decorative; Nymphaea, the first of its type and still at the top; nothing better in delicate pink and white and perfection of form. There were a number of the Century varieties shown, none of which excel

to our mind the original Twentieth Century, nor approach its exquisite, dainty blending of pink and white; single. Among the Cactus, Kriemhilde and Countess of Lonsdale showed up well. Madame Van Den Dael is a giant decorative, shell pink with deeper markings. Another giant flower, eight inches in diameter, flat, decorative, bright red, is Souv. de Gustav Doazon. Other fine ones noted were: W. F. Bassett, Gaillard, Delice, W. W. Rawson, Burbank, Allie Mourey, Master Karl and Prince of Yellows.

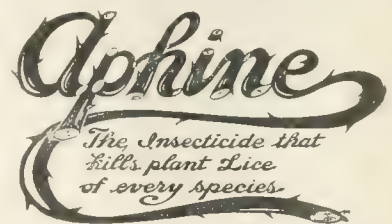
A striking exhibit of new hybrid Delphiniums graced a table in the center of the store. We congratulate Messrs. Michell on this handsome and educational exhibit, free to the public, and have no doubt a rich reward results to such enterprise and public spirit, now and in the future.

The following premiums were awarded: For general collection, 12 vases 6 blooms each, 12 varieties, to:—Robert Morrow, gardener to Mrs. George I. Bodine, Chestnut Hill. For William Agnew to:—William Robertson, gardener to John W. Pepper, Jenkintown, Pa. For C. W. Bruton to:—D. Charles A. Service, Bala, and William Robertson. For Mrs. Roosevelt to:—Chas. A. Bustard, gardener to Mrs. W. A. Dick, Chestnut Hill. For Jack Rose to:—David Herbert & Son, Ateo, N. J. For Maid of Kent to:—W. F. Bassett, Hammon, N. J. For A. D. Livoni to:—David Herbert & Son.

The judges were: Maurice Fuld, David Herbert and George C. Watson.

Pottstown, Pa.—The greenhouse establishment of Lloyd C. Keim is undergoing extensive improvements.

According to the estimates sent in by the various Park Commissioners of the city to the Board of Estimate, \$4,769,460.98 will be needed to maintain the New York parks during the coming year. These estimates are \$1,420,546.21 more than last year. The estimates from Brooklyn and Queens are \$1,775,246.70.



Its merits have been conclusively proven through Public Demonstration.

Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, White and Brown Scale.

\$2.50 per Gallon, \$1.00 per quart.

Get it from Your Seedsmen, or Write

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

Pacific Coast Distributing Agents
MACRORE-MCLAREN COMPANY
Crocker Building. San Francisco, California.



"Buds"
76 Barclay Street



SPECIAL

FALL OFFERS

COLD STORAGE LILY OF THE VALLEY PIPS (extra strong selected) \$12.50 per 1000 in case lots of 2000; \$14.00 per 1000 in smaller quantities.

	100	1000
LILIUM HARRISII .....5-7	\$4.50	\$40.00
LILIUM HARRISII .....7-9	9.50	85.00
LILIUM FORMOSUM .....7-9	7.00	65.00
LILIUM MULTIFLORUM .....6-8	3.00	28.00
LILIUM MULTIFLORUM .....7-9	5.00	45.00
LILIUM MULTIFLORUM .....9-10	8.00	72.00

LILIUM GIGANTEUM .....7-9.....	100	1000
LILIUM GIGANTEUM .....7-10.....	7.00	65.00
FREESIA REFRACTA ALBA (Extra Size or Mammoth).....	10.00	92.00
FREESIA "PURITY" (True Stock).....	1.25	9.00
NARCISSUS, Paper White Grandiflora....	2.50	20.00
ROMAN HYACINTHS (12-15).....	1.25	9.00
ROMAN HYACINTHS (12-15).....	2.75	24.00
ROMAN HYACINTHS (13-15).....	3.00	28.00
CALLA AETHIOPICA (Monster Bulbs).....	10.00	

A full stock of all French and Dutch bulbs. Favorable quotations on quantity.

CYCLAMEN PERSICUM GIGANTEUM SEEDS.

Berglinden Strain (Cannot be equalled in this country.)

	100	1000
Mont Blanc (Pure White).....	\$0.60	\$5.00
Antropurpureum .....	.60	5.00
Superbum (White with Dark Eye).....	.60	5.00

Roseum (Blush Rose).....	.60	5.00
Salmonium (Rich Salmon).....	.60	5.00
Lilacinum (Beautiful Lilac).....	.60	5.00
Rococo (Extra Large Fringed).....	.75	6.00

Have just received and now in stock choice varieties of all seeds used by Florists for Fall Sowing. Send in your list for special prices at once and order early. (Florists know the importance of this).

"BUDS" 76 Barclay Street, New York, N. Y.

CARL R. GLOECKNER, President

AN AUTUMN ROSE SHOW.

In recent years the National Rose Society has further popularized the "Queen of Flowers" by displaying its autumnal charms. At the autumn show held at the Royal Horticultural Hall, London, on September 15th, there was a large and representative array of brilliant flowers. The quality was not so high as had been experienced in previous years, owing to the adverse climatic conditions which have prevailed this summer. The description, "autumn flowering rose," is somewhat of a misnomer as most of the varieties so-styled bloom with equal freedom during the summer. One of the important developments in the rose world of late years has been the continuous-flowering character possessed by many of the newer introductions. The show affords a splendid opportunity of judging of the varieties which are suitable for autumn decoration. Another attractive feature is the keen competition which usually takes place in the ornamental section. One can obtain many useful hints as to the best sorts, and their most effective arrangement for table adornment. In recent years a much higher standard has been reached in this department. It is another proof of the enhanced popularity the national flower enjoys when one refers to the steady and continuous progress made by the National Rose Society in recent years, forming, as it does, one of the most prosperous organizations associated with a special flower.

The chief trade exhibitors from various parts of the kingdom made a meritorious display. The principal class for exhibition blooms was won by Messrs. Cocker and Sons, of Aber-

deen, following up their success in the same class in previous years. The new introductions of course attracted considerable attention. A gold medal was awarded to Mrs. Herbert Stevens, a creamy white Tea, shown by Messrs. S. McGredy and Son, Ireland. A similar award was made to Mr. Foley Hobbs, also a Tea (white, tinged with pink), shown by Alexander Dickson and Sons, Newtownards, Ireland. Silver gilt medals were obtained for the following: Hybrid Teas:—Dorothy Radcliffe, Marchioness of Waterford, Mrs. C. E. Allan, and James Ferguson. In the two decorative classes premier honors were secured by Messrs. Hobbies, Dereham, Norfolk, and Geo. Prince of Longworth, Oxford. Awards of silver medals were made for the best individual blooms as follows: Hybrid Perpetual, Hugh Dickson, in the nurserymen's class, sent by Messrs. J. Cocker and Sons, and the same variety in the amateur class, sent by Mr. R. Barrowman, Glasgow; Hybrid Tea, Gladys Harkness, shown by Messrs. J. Cocker and Sons, and Mrs. W. J. Grant, from Mr. E. W. Morris; Tea, Mrs. Edward Nalley, exhibited by George Prince, and White Maman Cochet, from Mrs. Fortescue, of Maidenhead.

W. H. A.

AN INTERESTING NURSERY.

We had the privilege, a few days ago, of a brief run through some of the nursery rows of the Elm City Nursery Company at New Haven, Conn., under the guidance of Mr. Campbell, of the landscape department of the company. They have, altogether, 100 acres of stock, a large part of which is required for the land-

scape work, which is an important section of their business. Specimen trees and shrubs, transplanted and pruned, are a specialty and practically nothing is grown for the wholesale trade. It is interesting to know that they have gathered a crop of seed from one plant of California privet this season. The plant was growing in close proximity to some Regelianum and it is not improbable that the bearing of seed was the result of fertilization by the latter. If so, the progeny may turn out to be quite valuable.

Mr. Campbell called attention to the adaptability of *Celastrus articulatus* for pruning and shaping into bush form. *Articulatus* is a rampant grower and when thus trained will require the frequent use of the knife, but the result is worth the trouble.

There are several unique forms of various conifers which have originated in this place and the visitor who has a little time at his disposal can pass it very pleasantly among this very interesting collection.

Bobbink & Atkins are rebuilding and enlarging their offices at Rutherford, N. J. They are also erecting a big two-story garage of concrete construction, 68 x 76 ft. The lower floor will be used for the storage of eight two and three-ton auto trucks and the upper story will serve as a cooper shop for the manufacture of plant tubs and boxes, which is now quite a factor in their business. There will be a complete outfit of modern machinery and repair facilities. The growth and expansion of the business of this firm year after year is simply astounding.

VOLUME
1
NUMBER
13

BODDINGTON'S STORE NEWS

SATURDAY, OCTOBER 1, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK

CATALOGUES RECEIVED.

Fottler, Fiske, Rawson Co., Boston, Mass.—Autumn Bulb and Plant Catalogue. This is the initial catalogue of the new company into which three well-known Boston seed houses have been merged. It is a handsome publication in all respects. The list is comprehensive, illustrations numerous and typographical work excellent.

A. T. Boddington, New York City.—Garden Guide, Autumn 1910. This is one of the gems among fall catalogues and, like its predecessors, carries a distinctive cover which gives it marked individuality, designed by Harry A. Bunyard. The cover illustration is a conventionalized drawing of Darwin tulips, in light plum red color outlined with silver.

New Haven.—Mr. Seibolt, formerly grower for Munro and previously with Kimberly, in this city, has gone into business for himself and is erecting two houses for violets and carnations on Townsend Ave.

Blue Point, L. I., N. Y., Sept. 27, 1910.—Plants all sold. Do not insert ad. again. F. B. ABRAMS.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.



HENDERSON'S
SUPERIOR
BULBS
PRODUCE
Superior Flowers

HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

WE are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates.

WHOLESALE CATALOGUE ON
APPLICATION FROM FLORISTS

Peter Henderson & Co.

35 and 37 Cortland St., New York

PERSONAL.

Mrs. Wm. Sunderbruch, of Cincinnati, is visiting friends in Minnesota.

George M. Stumpp, of New York, returned on Tuesday, Sept. 27, from Europe, on the Kaiser Wilhelm II.

Augustine MacLellan, florist of Brainard, Minn., and Miss Emma M. Weid were married at Cincinnati, Ohio, recently.

Julius Roehrs, Sr., has been confined to his bed with a very severe cold since his return from his New Mexican trip.

The youngest son of Frank Millang, New York, is in the hospital recovering from an operation for appendicitis. He is 10 years of age.

Wm. E. Mills and wife, of State Nursery Company, Helena, Mont., returned from an extended European tour, on the Oceanic last Wednesday.

Wm. Murphy is the last one of the Cincinnati vacationists to return, having arrived home Tuesday, September 27, looking the picture of health.

Boston visitor: Victor Morgan, representing Bobbink & Atkins, Rutherford, N. J.

Visitors in Cincinnati: Charles Weltz, Wilmington, Ohio; Ben Thomas, Augusta, Ky.; Carrie Treadway, Dayton, Ohio.

Visitors in New York: Thomas Roland, Nahant, Mass.; G. Kruffy, of Van Waveren & Kruffy, Sassenheim, Holland. Mr. Kruffy is on a recreation trip.

Lansing, Mich.—The Michigan Cut Flower Exchange has increased its capital stock from \$10,000 to \$15,000.

PHILADELPHIA NOTES.

M. Rice & Co. are having a big run on their new butterfly novelty. Third shipment exhausted and another on the way. Panama hats and cured poinsettias are also big favorites this season.

Because of flying glass the fire department had considerable difficulty Sept. 24th, in extinguishing a blaze at Habermehl's plant, 22nd and Diamond streets, caused by boys throwing lighted cigarettes into a rubbish pile at rear. Loss \$400.

John Clark of Dreer's and Maurice Fuld of Michell's, will be among the judges at the Dahlia Show of the Nassau Horticultural Society, which opens at Glen Cove, Long Island, Sept. 29th.

Visitors: Mr. and Mrs. Neville, of J. B. Stevenson Co., Savannah, Ga.; Mr. Weaklin, late Randolph & McClements, Pittsburgh, now operating on his own account in same city; Daniel E. Gorman, Williamsport, Pa.; Walter Graves, East Liberty, Pa.; Mr. Garrity, of J. H. Dunlop, Toronto, Ont.; Horace Rimby, Collegeville, Pa.; Antoine Leuthy, Boston, Mass.; Ed. Roehrs, Rutherford, N. J.

Shenandoah, Ia.—E. W. Horton, formerly with the Shenandoah Nurseries, has accepted a position in Billings, Mont., with the Montana Nursery Co.

Portland, Me.—Work has been begun on the new greenhouses and gardener's house for the park department of this city. The contract for this work was let recently to N. E. Redlon & Son, and work will be pushed as rapidly as possible.

A MT. CLEMENS GROWER.

Robert Klagge, of Detroit, is about finishing a new storage house 40 x 150, concrete up to the second story, timber and brick from second story to roof, and expects to house within the next few weeks 300,000 Dutch bulbs, 100,000 Liliun formosum, and over 1,000,000 lily of the valley. His greenhouses are mostly planted in La Detroit, Richmond and Kaiserin roses, carnations having been relegated to the rear. His bulbs will be grown in houses now occupied by 25,000 chrysanthemums. Most of the latter are grown with 3 flowers to the plant.

FRANK DANZER.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Liliuns will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000		Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	1.50	\$10.00	\$90.00	Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00	Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00	Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00	Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Canary. Fine large early white, with creamy centre	2.00	15.00		Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00	Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00		Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Candidissima. Sulphur yellow.....	2.00	15.00		Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00		Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00		Queen Victoria. A good early white....	1.50	10.00	90.00
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00		Reine des Fleurs. Rosy pink.....	2.00	15.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00		Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Delachei. Amaranth red.....	2.00	15.00		Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00	Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Francois Ortegai. Brilliant crimson; full double flower	3.00	20.00		Zoe Calot. White, suffused with delicate rose	2.00	15.00	
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00				
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00					
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00				
Hamel. Rosy carmine; fine large flower; late	1.25	8.00	75.00				
Hamel Rosea. Deep rose.....	1.50	10.00	90.00				
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00					

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

A FEW SPECIALTIES IN BULBS

NARCISSUS

	Per 100	Per 1000
PAPER WHITE GRANDIFLORA. 14 c/m bulbs, 1,000 to the case.....	\$1.25	\$11.00
BICOLOR VICTORIA. selected double-nosed bulbs	1.75	16.00
EMPEROR. Selected double-nosed bulbs.....	1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs..	2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs	2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs	1.00	7.50

TULIPS

	Per 100	Per 1000
KEIZERSKROON	\$1.25	\$10.50
LA REINE	1.00	8.00
ROSE GRISDELIN	1.00	8.50
ROSE LUISANTE	1.75	14.50
MURILLO	1.25	10.00
COURONNE D'OR	1.75	14.00
GESNERIANA SPATHULATA	1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs .....	.75	6.00
FREESIAS, BERMUDA-GROWN. Bulbs 3/4 to 1/2-inch and up in diameter.....	.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.		

LILIUM HARRISII

Selected bulbs. The original true stock.

6 to 7 inch, 350 to the case, \$17.50 per case; \$45.00 per 1000
7 to 9 inch, 200 to the case, \$18.00 per case; \$45.00 per 1000.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2 1/4-inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELZELI. Fine plants, 2 1/4-inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2 1/4-inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

The Seed Crop Outlook.

Each week brings us nearer to definite knowledge of the various seed crops, though exact percentages of delivery of many items may be some distance in the future. This applies to corn and most varieties of vine seeds. As stated in last week's issue, beans will be somewhat short, but barring a wet harvest and resulting damage, there ought to be sufficient crop of most varieties to satisfy the demand at slightly advanced prices. Boston can take heart again because Hubbites, while they count their coppers carefully, will have beans, let the cost be what it may, and though they must pay more this year than some others, they are spared the awful faint of a winter without beans.

The information which has just come to hand indicates that even late varieties of sweet corn will not yield as satisfactory crops as was expected up to within a very short time. This information may not apply generally, but the source is such that we are bound to give it credence as effecting certain localities at any rate. We advise accepting this latest crop news with reserve until we are able to confirm or deny the same. All we have been able to learn up to within a few days, was that late varieties of corn were expected to produce fairly good crops, and we are not altogether convinced of the opposite fact at this writing. It has been generally agreed that if killing frost held off until after October 1st, most varieties of late corn would be safe, and it is said that field varieties have to a very considerable extent reached this condition. However, a week or two more will remove all doubt, clearly disclosing the real situation.

There is nothing that we can add to the last reports about vine seeds. All we learn is to the effect that these will be short. We are unable to get anything more definite. In fact, the growers themselves do not know the exact conditions. Harvesting will begin within a few weeks, and then the situation will develop more rapidly and it will not be long thereafter before we get a pretty good line of what the various crops will be.

In our last issue we mentioned the fact that sweet peas would be somewhat of a short crop in California, and remarked that so far as we were able to ascertain, they were the only item on which there would be any material shortage. Since then, we have learned—though we cannot vouch for the accuracy of our information—that dwarf varieties of Lima beans will also show a considerable shortage and it is said that other varieties, especially the pole sorts, will not be a full crop.

Notes.

An interesting novelty on exhibition at Stumpp & Walter's New York store is a group of Kevitt's Everbearing strawberry in pots, loaded down with a profusion of fruit in all stages.

Mr. Alfred Emerich, representing Messrs. Vilmorin, Andrieux & Co., Paris, France, is expected to arrive in New York about October 1st, per S. S. "La Provence," on his annual visit to the American Seed Trade.

'Tis a mixed situation affecting certain members of the seed trade of Boston just now and outsiders must care-

fully observe the neutrality laws. At the same time we may be permitted to express the hope that all differences may be soon amicably adjusted.

We are informed that there is a seed business for sale in a good growing town of Central New York and in the midst of a splendid farming community. It is an old-established business but through neglect and mismanagement, has been allowed to run down; but there is a foundation for a good and profitable business if the right parties should secure control and anyone interested can write HORTICULTURE for other information.

In a suit by Charles E. Cole of Detroit and Wm. H. Morgans of Pontiac against John Pinton and Joseph L. Gillespie of Detroit and Charles W. Latham of Chicago, directors of the American Seed Co., of Detroit, to set aside a transfer of 50 shares of stock to Latham, it is alleged that the company has of late years been making considerably over 100 per cent. on the investment, the surplus last year being \$80,000, while the capital is only \$25,000. May 12, a special meeting was held, at which the directors voted 50 shares to Latham in spite of the protest of the complainants, who allege the deal was made merely to give the directors a majority of the stock. A temporary injunction was granted by Judge Hosmer.

THE MICHELL TRIAL GROUNDS.

Between the Bristol pike and the Pennsylvania R. R. at Andalusia Station, lie the twenty acres that at present comprise the Michell testing grounds. We had the pleasure of inspecting same on the 23rd Sept., under the able guidance of Fred. Michell, Jr., and M. M. Roberts. Mr. Roberts is the superintendent and has done some good work during the year he has had charge. Some eight acres of the tract has proved rather water-logged, and many well planned operations in same have been abortive; but on the whole very satisfactory results have been achieved. With proper drainage—which is now under way—a different story will be in order next year.

The most striking feature when one lands at the station is the scattered blazes of crimson salvia that dot the landscape in masses at various points. Then comes the big sign 300 ft. long, "Michell's Evergreen Gardens," and next the superintendent's residence, around which are grouped the barn and the glass structures, all of which are new and embody the latest up-to-date ideas. There are 80 frames already in operation, and 90 more are under way. In addition to testing, these will be used for producing a large part of the herbaceous stock which the firm uses in its business. Among the items noted in the latter connection at present were 5,000 hardy chrysanthemums in 2½-inch pots, nicely rooted and of all the latest varieties; 2,000 honeysuckles, 10,000 ampelopsis, and many other popular subjects in proportion. Fifty thousand celery plants were marketed from a small patch this season.

Comet tomato is being grown in quantity for seed—this variety being considered one of the very best for greenhouse culture. The Lorillard also comes in for a good share of attention in the same connection.

Of the many salvias seen the variety

MIGNONETTE

HOEHL'S GIANT

(Originator's Seed)

Mr. Hoehl, who specializes on this strain enjoys the reputation of bringing the best Mignonette to the Philadelphia Market.

We offer the originator's seed saved from exhibition specimen.

50c Trade Pkt; Per Oz. \$3.00

If You Need Bulbs, Write Us

HENRY F. MICHELL CO.

518 Market St., Philadelphia

King of the Carpet seems worthy of a good word. It is dwarfier than Bonfire and equally as free.

Cosmos, petunias, balsams, marigolds and a whole host of other flowers pass in rapid review, and do not call for comment, as they are only grown for test as to purity and truth to type, and for the benefit of the inexperienced at the seed store.

The same may be said of the vegetable tests which, while exhaustive, comprehensive and interesting contain nothing new for the advanced horticulturist, but are of great value to the salesmen and the general public. There are some fifty tests of parsley, for instance, and if this object lesson teaches anything, it means that the fifty could be reduced to five. Which is true of a great many other things besides parsley. Bismillah! I have spoken.

We hope and expect to see many new developments when we go out again this time next year. Good start. Big possibilities. Let all hands welcome the Michell into the progressive band—the leading spirits and investigators into what is best—the pioneers in the great and good—pro bono publico.

G. C. WATSON.

Sweet Pea Christmas

	OZ.	LB.
Pink and White	\$.25	\$2.00
Pure White	.25	2.00

George C. Watson

—SEEDSMAN—

Dobson Bldg., 9th and Market Sts., Philadelphia

Other varieties of Sweet Peas at usual market prices.

Business For Sale!

Well established seed business in a city of 70,000 population is offered for sale. This business has been well advertised and is growing every year. Full particulars upon application. Address, "BUSINESS," care of HORTICULTURE.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.

G. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

WHITE PEARL ONION SETS

NOW READY

LOWEST PRICES ON APPLICATION

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET

CHICAGO

LILIUM CANDIDUM

Extra Bulbs \$5.00 100

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg.,
PHILADELPHIA, PA.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

VEGETABLE PLANTS

CABBAGE—Wakefield and
Succession. Per 100 Per 1000
20c. \$1.00

LETTUCE—Grand Rapids,
Big Boston, Boston Market
and Tennis Ball. 20c. 1.00

PARSLEY— 30c. 1.25

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

In ordering goods please add "I saw
it in HORTICULTURE."

FALL BULB CATALOGUE

If you have not received a
copy send for it.

James Vick's Sons
ROCHESTER, - N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr.	Pkt.
Forget-Me-Not, Victoria for pots,	\$2.50		\$0.33
Mignonette, Zangen's Triumph,	3.00		.50
Pansies Special Florists' Mixture,	4.00		.50
Stocks, Princess Alice, pure white,	3.00		.50
Beauty of Nice, Carmine, Daybreak,			
Rosy Lilac, Snow White, each separate,	3.00		.50

O. V. ZANGEN Seedsman - Hoboken N. J.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just
arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

CYCLAMEN

NEW CROP

To obtain large flowering plants for
Thanksgiving and Christmas 1911,
seeds should be sown now. For
the florist, our Giant Cyclamen
is unsurpassed.

Giant Crimson, **Giant Pink**
Giant White **Giant Blood Red**
Giant Excelsior White with
claret base
Picturatum Pink with
claret base **Giant Salmon**

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

**Thorburn's
Bulbs**

For Florists for forcing at low prices in
cases only.

White Roman Hyacinths, 12 to 15 ctm.,
2000 in case @ \$18.00 per 1000

Lilium Formosum, 6-8,
350 in case @ \$3.00 per 100

Lilium Formosum, 7-9
250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—
send for prices per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Warren, Ohio.—Adgate & Son, East
Market street.

Detroit, Mich.—Charles Huffard, 51
Gratiot avenue.

Waterloo, Ia.—Charles Sherwood,
Tremont House.

Cleveland, Ohio.—The Flower Shop,
1282 Euclid avenue.

Marshall, Ia.—Wm. H. Ford, 1400
East Nevada street.

Owensboro, Ky.—J. A. Tapscott &
Bro., 329 Frederica street.

New York, N. Y.—The Plaza Flower
Co., 584 Columbus avenue.

Denver, Colo.—Columbine Floral
Co., Stout and 15th streets.

Boston, Mass.—A. S. Quint and Al-
fred Weiss, 379 Boylston street.

Brooklyn, N. Y.—Brooklyn Whole-
sale Cut Flower Market, Inc., 356 Ful-
ton street.

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y. London, Oct. 1
Minneapolis, N. Y. London, Oct. 8

Cunard.

Caronia, N. Y. Liverpool, Oct. 1
Campania, N. Y. Liverpool, Oct. 5

French.

La Touraine, N. Y. Havre, Oct. 6

Hamburg American.

K. A. Victoria, N. Y. Hamburg, Oct. 1
Pennsylvania, N. Y. Hamburg, Oct. 5
Deutschland, N. Y. Hamburg, Oct. 8

Holland-American.

N. Amsterdam, N. Y. Rotterdam, Oct. 4
Noordam, N. Y. Rotterdam, Oct. 11

North German Lloyd.

K. Wilhelm II, N. Y. Bremen, Oct. 4
G. Kurfuerst, N. Y. Bremen, Oct. 6
K. W. der Grosse, N. Y. Bremen, Oct. 11
Konigin Luis, N. Y. Medit'n, Oct. 1
Berlin, N. Y. Mediterranean, Oct. 8

Red Star.

Vaderland, N. Y. Antwerp, Oct. 1
Lapland, N. Y. Antwerp, Oct. 8

White Star.

Romanic, Boston-Mediterranean, Oct. 1
Baltic, N. Y. Liverpool, Oct. 1
Cymric, Boston-Liverpool, Oct. 4
Oceanic, N. Y. Southampton, Oct. 5
Celtic, N. Y. Liverpool, Oct. 8

NEWS NOTES.

Beaverdam, Ohio.—Peter Augsbu-
rger has gone out of business.

South Bethlehem, Pa.—The Flower
Store has discontinued business.

Scarboro, Ill.—On account of old
age J. L. Lutz, Sr., has decided to
go out of business.

N. D. Hills & Co., have blossomed
out at 58 West 28th street, New York,
with a line of flowers, greens, etc.

Badgley, Reidel & Meyer is the title
of a new firm which has taken the
store at 50 West 28th street, New York,
heretofore conducted by A. J. Guttman
and will continue the wholesale cut
flower commission business there. Mr.
Badgley is the well-known rose grower
of Chatham, N. J., and the two other
members of the firm have a good rec-
ord as salesmen for Mr. Guttman.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hote, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

WE OPEN THE SEASON with the finest stock of Florists' Supplies ever offered. The goods are all fresh and up to date and the novelties have selling merit.

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO.
1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Items.

Hoerber Bros. are enameling the interior of their establishment pure white in readiness for the fall season.

C. A. Samuelson, of 21st and Michigan avenue, has purchased a touring car with removable top, which will be used for an auto-delivery for his store.

John Kruchten, who has been looking over the greenhouse establishments in the surrounding country, reports chrysanthemums are in excellent condition and apparently the supply will be large.

The Chicago Carnation Co. of Joliet, Ill., is making arrangements to handle its flowers at wholesale in Chicago. The place has not been definitely fixed upon at this writing. The office may also be in Chicago.

The A. E. Hunt Co., of Evanston, think they have broken the record for growing sweet peas. They have had these flowers in the market eleven and one-half months out of the past year, and are cutting some fine ones now.

A small show window in blue gentians was seen at Bohanan's. Small bouquets were used in front and a large basket with blue ribbon filled with the flowers was in the background. The effect was dainty in the extreme.

The Radlein Basket Co. have just received a new stock of baskets and

samples from their house in Germany. Many lines are of especial value to the florists in making up their stock for the holidays. A new catalog is just out and will be sent for the asking.

The funeral of Geo. Wittbold, whose death we chronicled last week, was very largely attended September 21st, both by friends inside and outside of the trade. A special detail of police was required to handle the crowd. The deep respect in which the deceased was held was evident from the attendance of all the old-time florists in Chicago.

J. O. Friedman is showing a beautiful autumn window this week. The floor is in autumn leaves and the vases contain blue wild flowers for a background, while a show plant of red and yellow celosia respectively supply the color to the ends of the large window. The opening of the new store is still delayed, but all will soon be in readiness with Wm. Graff in charge.

Clifford Pruner attended the convention of the Greenhouse Vegetable Growers' and Market Gardeners', at Grand Rapids this week, with a line of supplies for the E. H. Hunt Co. The Association has a very interesting program covering three days, Sept. 27-28-29, and a trade exhibit will be an attractive feature. Grand Rapids is a very live town and a great center for growing vegetables under glass.

Some fears were entertained for the quality of the imported bulbs this year, but in an interview Mr. Louis Winter-son expressed himself as of the opinion that they are fully up to the average unless it might be the Chinese bulbs. Hyacinths, tulips and narcissus are very good. The arrival of French bulbs was delayed by the strike of the dock hands in France, but the bulbs do not appear the worse for it. The Dutch bulbs being a little earlier than usual and the French ones later, they came in at about the same time.

Personal.

Frank Ayres has returned from his five weeks in the Canadian woods.

Wm. Wolff, of A. Lange's, will act as decorator for his brother George's wedding, October 1st. The house will be done in oak leaves and pink roses with lily of the valley and white roses for the bride.

Mr. and Mrs. Henry Klunder of Pittsburgh, Pa., have the sympathy of the trade in the death of their daughter last week, and who was brought to Chicago for interment. Mr. Klunder was for many years in the retail business in Chicago and has many friends here.

Arthur Hammer of Symth's started on the 20th for ten days at his old home in Washington, D. C., where his father is a well-known florist. Arthur is an ambitious young man and will graduate this year from a medical school where all his spare time has been spent for the past three years.

Visitors: M. Kranz and wife, Great Falls, Mont.; Frank J. McKenna, Montreal, Canada; Henry Klunder, Pittsburgh, Pa.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

BRONZE GALAX

Carefully selected and with our experience in this line, we can give you now just as good Galax as you would expect if you were buying new crop Galax. You will have no waste—satisfaction guaranteed.

\$7.50 per case

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. MCKELLAR

51 WABASH AVE., CHICAGO

**Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

**WHOLESALE
FLORIST**

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

**Wholesalers of Cut Flowers and
Florists' Supplies**

Minneapolis, Minn.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 27	TWIN CITIES Sept. 27	PHILA. Sept. 27	BOSTON Sept. 29
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	28.00 to 35.00	..... to 25.00	15.00 to 25.00
" Extra	20.00 to 25.00	20.00 to 25.00	..... to 20.00	10.00 to 15.00
" No. 1	10.00 to 20.00	10.00 to 20.00	12.00 to 15.00	6.00 to 8.00
" Lower grades	5.00 to 10.00	5.00 to 10.00	6.00 to 8.00	1.00 to 3.00
Bride, 'Maid, Chateaux, F. & S.	5.00 to 6.00	4.00 to 6.00	6.00 to 8.00	2.00 to 6.00
" Lower grades	2.00 to 3.00	2.00 to 4.00	2.00 to 5.00	1.00 to 2.00
Killarney, Richmond, Fan. & Sp.	8.00 to 10.00	5.00 to 8.00	6.00 to 8.00	3.00 to 8.00
" Lower grades	3.00 to 4.00	3.00 to 5.00	2.00 to 5.00	1.00 to 2.00
Kaiserin, Maryland, Fan. and Sp.	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 8.00
" Lower grades	2.00 to 5.00	3.00 to 6.00	2.00 to 5.00	1.00 to 2.00
CARNATIONS, Nov. and Fan.				
" Ordinary	2.00 to 3.00	2.00 to 3.00	2.00 to 2.50	1.50 to 2.00
	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	10.00 to 50.00	30.00 to 60.00	60.00 to 75.00	45.00 to 60.00
Lilies, Longiflorum	6.00 to 12.00	10.00 to 12.50	12.50 to 15.00	6.00 to 8.00
" Speciosum .....	..... to .....	..... to	2.00 to 3.00	2.00 to 3.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Asters	1.00 to 3.00	2.00 to 3.00	1.00 to 2.00	.75 to 1.00
Daisies .....	..... to .....	.75 to 1.25	..... to .....	.25 to .50
Snape-dragon .....	..... to .....	..... to .....	..... to	1.00 to
Gladioli	2.00 to 4.00	3.00 to 7.00	..... to	2.00 to 4.00
Chrysanthemums .....	..... to	12.00 to 18.00	15.00 to 21.00	12.50 to 16.00
Gardenias .....	..... to .....	..... to	8.00 to 12.00	25.00 to 35.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	10.00 to 12.00	12.50 to 14.00	12.50 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	10.00 to 75.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

**15 PROVINCE STREET,
9 CHAPMAN PLACE,**

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

**ALWAYS GOOD,
FRESH STOCK.**

**Long Distance Phone
Randolph 2758**

**Telegraph, Telephone or
Bring in Your Orders.**

**We Grow Our
Own Flowers**

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE



EVER DEAR KILLARNEY

Not only the Killarney rose itself, but the wonderful ribbon the P. M. Co. have got up to match it!! A magnificent two shaded effect. It has taken years of experimenting to get there, and now they offer the real and only original:

Killarney Pattern. A Perfect Match

in its two shaded effect. The price is a mere bagatelle when quality is considered. New shipments have just come in and they will welcome your orders at the following low prices:

Widths	Piece 10 Yds.	Widths	Piece 10 Yds.	Widths	Piece 10 Yds.
No. 2..\$.32½ per yd.		No. 16...\$1.10 per yd.		No. 60.. \$2.25 per yd.	
" 7.. .60 " "		" 22... 1.35 " "		" 100.. 2.50 " "	
" 9.. .80 " "		" 40... 1.60 " "		" 150. 2.65 " "	

Exclusiveness and style in ribbons a specialty with the P. M. Co. They know what the florist wants. Get their full line; but at once be sure and order a good supply of their great Killarney pattern first, last and all the time.

No other can equal it!

S. S. PENNOCK-MEEHAN CO.

1608 to 1620 LUDLOW STREET

THE Wholesale Florists of PHILADELPHIA

NEW YORK: 109 West 28th St.

WASHINGTON: 1212 New York Avenue



Flower Market Reports.

Market conditions have been very generally satisfactory here all through September. The impression is prevalent that the season which has started off so well is to be a good one and we hope to see this confidence verified. There is a good stock of all staples in sight and as a rule the quality has been steadily improving. There are, however, many small roses still in evidence and these, as usual, must be unloaded for what they will bring, while first-class goods have been bringing excellent figures. Carnations are still quite short of stem but are improving from day to day. Lily of the valley and longiflorum lilies are both of unexcelled quality and enjoying a good call. A few single violets are beginning to come in but they are of inferior quality. Killarney roses are noticeable for their very deep color at this season. The White Killarney leans correspondingly to a pink tint. The sale for first-class Beauties drags a little.

Complaint cannot be made that the past week was a dull one as the fall trade is beginning in earnest, and by the reports from the retail end the outlook for the remainder of the year 1910 will be a record breaker should it keep up its pace. The market is well supplied on most lines of seasonable material and with the addition of dahlias (the fine fall blooms) and carnations

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURGH	
	Sept. 27		Sept. 27		Sept. 27		Sept. 27	
ROSES								
Am. Beauty, Fan. and Sp.	25.00	to 30.00	30.00	to 35.00	20.00	to 25.00	15.00	to 20.00
“ Extra	20.00	to 25.00	24.00	to 30.00	15.00	to 20.00	10.00	to 15.00
“ No. 1	15.00	to 20.00	15.00	to 22.00	7.00	to 10.00	6.00	to 8.00
“ Lower grades	4.00	to 15.00	4.00	to 10.00	4.00	to 6.00	.....	to 4.00
Bride, 'Maid, Chatenay, F. & S. .	4.00	to 6.00	4.00	to 6.00	7.00	to 8.00	6.00	to 8.00
“ Low. gr.	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp. .	4.00	to 6.00	4.00	to 6.00	7.00	to 8.00	6.00	to 8.00
“ Lower grades	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Maryland, Fan. and Sp. .	4.00	to 6.00	4.00	to 6.00	3.00	to 8.00	6.00	to 8.00
“ Lower grades	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	1.00	to 1.50	2.00	to 3.00	2.00	to 2.50	.....	to 2.00
“ .....	.50	to .75	1.00	to 1.50	1.00	to 2.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to	50.00	to 60.00	50.00	to 60.00	.....	to
Lilies, Longiflorum	6.00	to 10.00	15.00	to	8.00	to 12.00	10.00	to 12.00
“ Speciosum .....	.....	to .....	.....	to	3.00	to 4.00	.....	to
Lily of the Valley .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters .....	.50	to 2.00	1.00	to 1.00	.25	to 1.50	.50	to 2.50
Daisies .....	.....	to .....	.....	to .....	.....	to .....	.....	to 1.00
Snadragon	2.00	to 4.00	.....	to .....	.....	to .....	.....	to
Gladioli	1.00	to 3.00	3.00	to 6.00	.....	to .....	.....	to
Chrysanthemums	12.50	to 30.00	15.00	to 25.00	10.00	to 15.00	15.00	to 23.00
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.75	to 1.00	1.00	to 1.50	.75	to 1.25	1.00	to 2.00
Smilax	10.00	to 15.00	15.00	to .....	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (too) .	25.00	to 50.00	25.00	to 40.00	10.00	to 60.00	30.00	to 50.00
“ “ Spen. (too bchs.) ..	15.00	to 25.00	25.00	to 40.00	35.00	to 50.00	30.00	to 50.00

tions coming on more plentiful conditions are very satisfactory. The heavy rains of a few days ago have practically ended the supply of good asters, though very late crops are still coming on and some good blooms are expected. Augusta is the leader in gladioli, but some choice canary and red sorts are still had and have sold well. Roses are improving daily and the demand for white has been heavy. Aaron Ward is becoming quite a favorite and not enough can be had of this fine rose to supply the demand.

The past week has stiffened up prices along most lines and especially is it noticeable with carnations. While market quotations range about as before there are more flowers sold at the higher figures and fewer at the lower ones. This is largely attributed to the going out of asters, which on the whole have been something of a disappointment and most dealers are not sorry to see the close of the aster season. Practically the same can be

(Continued on page 48)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 24 1910		First Half of Week beginning Sept. 26 1910	
American Beauty, Fancy and Special.....	12.00	to 25.00	12.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	.50	to 2.00
Bride, 'Maid, Chateaux, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 8.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	1.00	to 1.50	.50	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
SUCCESSORS TO A. J. CUTTMAN
WHOLESALE FLORISTS 34 West 28th Street, New York
Telephones { 1664 / Madison Square
1665 }
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 748 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 / Mad. Sq. 113 W. 28 St., New York.
5893 }

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
Commission Dealers in
Choice Cut Flowers
54 West 28 St., NEW YORK
Prompt Payments Telephone
3559 Madison Sq.

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**KRICK'S FLORIST NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply Houses

Flower Market Reports

(Continued from page 481)

said of gladioli and the situation will remain the same until the growers will discard the common varieties and grow the better ones only. The supply of wild flowers from the prairies is still coming in and retail stores are gorgeous. Some of them display a great deal of skill and excellent taste in arrangement. Ferns are of good quality and the best sell for \$1.50 per 1000. Chrysanthemums are daily more in evidence, Golden Glow and October Frost constituting the stock. Beauties have reached the four ft. stem and all roses are considered good for the season.

Business continues

CINCINNATI fair for this season

of the year. There

is enough of nearly all kinds of flowers to supply the demand. Beauties are abundant and of very good grade. Receipts of other roses are steadily increasing. Long-stemmed roses find a ready sale, while short stemmed ones move slowly. The price of carnations is on the increase, keeping in step with the quality. Asters are on the down grade and those received are short stemmed and of poor quality, which reminds us that the end of the season is very near. Some very good gladioli are still to be had, and sell readily. Dahlias are moving slowly. There is a good demand for cosmos, with a limited supply. Longiflorum lilies find a good market. All kinds of green goods are in abundant supply, with a fair demand.

The little spurt of

NEW YORK business which was

enjoyed at the close

of last week has been promptly checked by the few days of high temperature with which the present week came in. Supplies have been piling in with a persistency that suggests congestion in some lines before long. This applies particularly to chrysanthemums, orchids, lilies and roses. The activity so far has been confined to the lesser retail interests and small dealers generally, the larger stores in the fashionable localities being still very quiet. Violets are beginning to appear here and there. The first we saw were at J. K. Allen's and they were good for so early a date. There are heaps of dahlias and the quality is all that could be desired. Golden Glow chrysanthemums are already about finished up, and Monrovia has taken precedence as a yellow. One grower is shipping quantities of specimen blooms

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Sept. 24 1910		First Half of Week beginning Sept. 26 1910	
Cattleyas.....	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.00	6.00	to 8.00
" Speciosum.....	1.00	to 2.00	2.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.20	to 1.50	.20	to 1.50
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	2.00	to 3.00	1.00	to 2.00
Chrysanthemums.....	8.00	to 35.00	8.00	to 25.00
Gardenias.....	25.00	to 35.00	15.00	to 25.00
Adiantum.....	50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Soren (too bchs).....	10.00	to 21.00	10.00	to 25.00

on 4 ft. stems to P. J. Smith and W. P. Ford—the best we have ever seen at so early a date. Last Saturday saw a very welcome hustle all along the course and most lines were well sold out. When stock moves in New York it moves with a rush and, unfortunately, when it stops it stops with equal abruptness and market values are flattened out in a twinkling.

PHILADELPHIA

The improved tone of the market was again emphasized last week. Trading kept in good volume all the week, and was especially brisk on Saturday—so that nearly all the really first-class materials were sold at something near their value. White roses are rather an exception and still remain sluggish. Red roses are in good demand. American Beauty is coming along in fine shape—especially in the long-stemmed grades, which are selling at high prices for the season. Richmonds are also good and move briskly. Carnations continue to show gradual improvement, and every day sees them a little better. White and pink chrysanthemums have made their appearance, the most conspicuous so far being Montemort and October Frost. Some late-flowering asters are still arriving. The flowers are good but they are short stemmed. A few single violets are seen. These are fragrant but do not keep very long. Orchids a little more plentiful—labiate mostly, although Dendrobium formosum can be had on a few days' notice. Lily of the valley in good supply, fine quality, and cleaning up all right. Eulalia and tritoma and brown oak leaves are favorites for fall openings and decorations. Dahlias hold the stage in vigorous style now, and keep all hands hustling in the distribution of this low-priced bulky stock. Delice, Kriemhilde, Nymphaea, Jack Rose, C. W. Bruton, and Lyndhurst are among the readiest sellers. Window box time seems to be on; the little evergreens

of the thuja, retinospora, juniper and box families being already offered—with cedar bark and other accessories—reminding us that time is flying and that we must instantly get ready for that kind of business during the next two months.

WASHINGTON With the advent of the fall season, the majority of

Washingtonians have returned to the city, and but for the shortage of flowers caused by the drought business would by this time have resumed to normal condition for the season; the drought remains unbroken, and all outside flowers are past relief. The waterlily season is entirely closed as is also the aster season. There are remarkably good carnations on the market, wholesaling at \$1.50 per 100. Some fine Beauties are shown now and callas are beginning to make their appearance.

Galax and Leucothoe

Quality, Packing and Price All Right. Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
ASPARAGUS PLUMOSUS, 3½ inch,
strong, \$7.00 per 100. Thos. R. Fries,
Lancaster, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1123
Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1123 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway,
New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
Lilies, Freesias, Callas, Valley Pips.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Stumpp & Walter Co., New York, N. Y.
Bulbs for Forcing.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
Superior Bulbs.
For page see List of Advertisers.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.
New England Nurseries, Bedford, Mass.
Fall Bulbs.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
For page see List of Advertisers.
F. B. Abrams, Blue Point, L. I., N. Y.
J. Fuller, Leominster, Mass.
Field-Grown Carnations.
Carnations. 5000 Lloyd, field plants,
\$5.00 per 100; \$45.00 per 1000. Second
size, \$3.00 per 100. Stafford Floral Co.,
Stafford Springs, Conn.
Carnation Plants—Field grown, fine En-
chantress, Mrs. Thos. W. Lawson, White
Lawson and Harlowarden, \$5.00 per 100
for cash with order. M. J. Schaaf, Dans-
ville, N. Y.

CARNATION STAPLE

Pillsbury Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.

CHRYSANTHEMUMS—Continued

Herrington's book on the Chrysanthemum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
tion, N. J.
For page see List of Advertisers.
Herbert, Acto, N. J.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DAISIES

Queen Alexandra Daisies from 2 in. pots,
\$2.00 per 100. Cash. E. O. Perry, Ber-
lin, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

DRACAENAS

1000 Dracena Indivisa, strong plants
from field 10c., 15c., 20c. Ferns, 5
inch 30c., 7 inch 75c. Whitmanii, 5 inch
30c., 7 inch 75c. Elegantisima, 5 inch 30c.,
7 inch 75c. Ferns for dishes \$3.00 per 100.
Bannister Bros., Syracuse, N. Y.

DRACAENAS TO EXCHANGE

To Exchange—300 Dracena indivisa,
fine, heavy, field-grown, for primulas, cycla-
men, begonias or other blooming plants.
Wilfrid Wheeler, Concord, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.
T. C. Thurlow's Sons, Inc., West Newbury,
Mass.
For page see List of Advertisers.

FANCY BASKETS

The Raedleln Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 488

FERNS—Continued

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Hardy Ferns—*Adiantum pedatum* (maidenhair), *Asplenium Felix-faemina* (lady fern), *Onoclea sensibilis*, *Onoclea struthiopteris* (ostrich fern), *Osmunda cinnamomea* (cinnamon fern), *Osmunda Claytoniana* (interrupted fern), *Pteris aquilina* (brake fern). (Sample specimens, 10c. each. Write for prices on stated quantities. Ludwig Mosbaek, Askov, Minn.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Bench Boston Ferns, strong, clean, healthy stock, for 4 and 5 in. pots \$10.00 per 100, cash. F. Sokol, Worcester, Mass.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.

Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hildinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O
For page see List of Advertisers.

FORGET-ME-NOTS

Winter flowering forget-me-nots, made from cuttings, fine plants, 3-in. pots, \$3.00 per 100. Cash with order. R. Pritchard, 6th and Flushing Aves., Astoria, L. I. City, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 65 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums, rooted cuttings of Riccard.
Poltevine and Nutt at \$10.00 per 1000.

Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co. Chicago.

Pecy Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

For page see List of Advertisers

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.

For page see List of Advertisers

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREVILLEA

Grevillea robusta—Strong, 2½ in. pots,
\$4.00 per 100. Chas. Lenker, Freeport,
N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip
attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Onwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

For page see List of Advertisers.

HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.

E. Y. Teas, Centerville, Ind.

10,000 Hydrangea Otaksa, pot grown, 3
in., 1 crown, \$5.00 per 100; 4 in., 2 to 6
crowns, \$10.00 per 100; 7 in., 8 to 12
crowns, \$35.00 per 100; 9 in., about 20
crowns, 50c. each. Cash. F. Sokol, Col-
lege St., Worcester, Mass.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., New York.

Killdead Tobacco Dust.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
E. H. Hunt, Chicago, Ill.
To-Bak-Inc Products.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries, 4 in., \$10.00 per 100. Cash.
F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LAND LEVELS

Bostrom-Brady Mfg. Co., Atlanta, Ga.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM CANDIDUM

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

LILIUM FORMOSUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.
J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. **E. W. Platter, Carbondale, Ill.**

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
Daniel A. Clarke, Fiskeville, R. I.
Pines and Berberis.
For page see List of Advertisers.
Stuart Low & Co., Enfield, England.

NURSERY STOCK—Continued

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.
Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
Ordones Bros., Madison, N. J., Box 100
For page see List of Advertisers.
Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
G. L. Freeman Co., Fall River, Mass.
Stuart Low & Co., Enfield, England.
Orchids—largest stock in the country
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by **HORTICULTURE, 11 Hamilton Place, Boston.**

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. **Lord & Burnham Co., 1133 Broadway, N. Y.**

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100. cash. F. Sokol, Worcester, Mass.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. **Crosby & Son, Catonsville, Baltimore, Md.**

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover O.
Peonies only, by the wholesale. Best 100 varieties. **J. F. Rosenfeld, West Point, Neb.**

PERENNIALS

EXTREMES MEET! MINIMUM COST. MAXIMUM QUALITY. This is demonstrated fully in our 1910 catalogue of **PERENNIALS AND OTHER HARDY PLANTS** which we grow exclusively by the acre. Free for the asking.
PALISADES NURSERIES, INC., SPARKILL, NEW YORK.

PHLOX

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
For page see List of Advertisers.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. **Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.**

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. **Lord & Burnham, 1133 Broadway, N. Y.**

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. **I. N. Kramer & Sons, Cedar Rapids, Iowa**

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Poinsettias, strong plants, 2½ in. \$5.00 per 100, cash. **F. Sokol, Worcester, Mass.**

PRIMULAS

Frank Oechslin, 4911 Quincy Street, Chicago.
For page see List of Advertisers.
Primula. Chinese, Obconica and Kewensis, 2½ inch, \$3.00 per 100. Cinerarias, Prize Dwarf, 1½ inch, \$2.00 per 100. Or will exchange for Violets, Marie Louise or Princess of Wales, Begonia Lorraine, A. Plumosus, Mums or Fuchsias, Boston and Whitman Ferns, 2½ inch, and Peonies, named sorts. **C. G. James & Son, Hornell, N. Y.**

BLAZING TORCH, finest novelty in Chinese primroses. The most dazzling intense scarlet, large flowering fringed; even the roots are the color of beet roots, which is unlike other variety. Strong plants, ready for 4-in. pots, \$10.00 per 100. Stock limited. **John F. Rupp, Shiremanstown, Pa.**

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

PUBLICATION

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
P. Ouwkerk, Hoboken, N. J.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

For List of Advertisers See Page 488

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Stuart Low & Co., Enfield, England.
- McHutchinson & Co., New York, N. Y.
For page see List of Advertisers.
- The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.
- Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SCALECIDE

- B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

- C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.
- Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- B. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.
- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.
- Henry F. Mitchell Co., Philadelphia, Pa.
Mignonette Seed.
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia
For page see List of Advertisers.
- Arthur T. Roddington, New York
Christmas Flowering Sweet Peas.
For page see List of Advertisers.
- Rickards Bros., 37 E. 19th St., New York
For page see List of Advertisers.
- H. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
- Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
For page see List of Advertisers.
- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

SMILAX

- Smilax, strong 2-in. cut back \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and erld baskets always on hand. Lager & Hurrell, Summit, N. J.

VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.
For page see List of Advertisers.
- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

VIOLETS

- Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
- Violets—Princess of Wales, healthy, field-grown, \$50.00 per 1000. Chas. Lenker, Freeport, N. Y.
- Violets—Boston Violet clumps, \$10.00 per 100. Gov. Herrick, \$4.00 per \$100. A. B. Campbell, Cochranville, Pa.

WILD SMILAX

- E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORE

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 83-40 Broadway, Detroit, Mich.
- Wirework Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

**WHOLESALE FLORISTS
Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.
For page see List of Advertisers.

Buffalo, N. Y.

- William F. Kasting Co., 383-87 Ellicott St., Buffalo, N. Y.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Av., Chicago.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co., Cincinnati, Ohio.
For page see List of Advertisers.

Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Moore, Hentsz & Nash, 55 and 57 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 28th St., New York.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Slinn, New York, N. Y.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

New Offers in This Issue.**CAROLINA AND LOMBARD POP-
LAR.**

- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

**COMMISSION DEALERS IN CUT
FLOWERS.**

- A. L. Young & Co., New York, N. Y.
For page see List of Advertisers.

DECORATIVE PLANTS.

- Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

HARDY PERENNIALS.

- A. Hirschleber, Riverside, N. J.
For page see List of Advertisers.

**GERANIUMS, CANNAS, DAHLIAS
AND CHRYSANTHEMUMS.**

- R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

PLANT AUCTION SALES.

- Fruit Auction Co., New York, N. Y.
For page see List of Advertisers.

SWEET PEAS.

- George C. Watson, Philadelphia, Pa.
For page see List of Advertisers.

SPECIAL FALL BULB OFFERS.

- "Buds," New York, N. Y.
For page see List of Advertisers.

SMILAX.

- J. Newman & Sons, Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORIST.

- Frank Millang, New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS.

- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS.

- Badgley, Riedel & Meyer, Inc., New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS.

- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

WHITE FRENCH ROMANS.

- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

During Recess

NEWPORT HORTICULTURAL SOCIETY BALL.

The members of the Newport Horticultural Society, who had been devoting their time for the past week to the autumn flower show, gave their attention to dancing on Tuesday evening, Sept. 20, holding their annual ball in Masonic hall and entertaining a large number of friends. The stage was banked with handsome palms and foliage plants, making a pretty appearance.

Dancing was in order shortly after 9 o'clock and it was well into the morning hours when the program of 24 dances was concluded. Among the dances on the program were two Highland schottisches, in which a few of those who had learned the dance in Scotland participated, to the pleasure and marked interest of the others.

The guests upon arrival were received by a committee consisting of Messrs. James J. Sullivan, Alexander McLellan, Bruce Butterson, James McLeish, Andrew K. McMahon and Richard Gardner. The floor manager, Mr. Forbes, and his assistant, Mr. Urquhart, had the assistance in directing the dances of Messrs. Daniel J. Coughlin, J. K. Sullivan, P. F. Reynolds, William McKay and Herbert Bliss, as aids. McClosky's orchestra furnished music. The committee of arrangements consisted of Messrs. James Robertson, John A. Forbes, Andrew S. Meikle, John B. Urquhart and William F. Smith.

BOWLING.

The New York Florists' Bowling Club has now got down to regular weekly practice games at their new alleys. Aggregate scores for four games last Friday evening were as follows:

Manda	653	Smith	523
Wilson	582	Berry	501
Scott	576	Holt	485
Shaw	554	Meltz	408

The Chicago Florists' Bowling Club is ready for its first game. The teams are lined up as follows with captains still to be elected and some substitutes to be provided:

Violets—Wm. Lorman, H. Schiller, L. Vaughan, F. Lieberman, T. Yarnall.
Orchids—Geo. Asmus, J. Zeck, J. Huebner, Wm. Graff, J. Degnan.
Roses—O. Goerisch, Al. Fischer, W. Wolff, L. Fischer, J. Byers, E. Johnson.
Carnations—F. Ayres, F. Pasternick, F. Krauss, A. Zeck, Ed. Schultz, Ed. Winterson.

The club will bowl each Wednesday night.

APPRAISERS' DECISIONS.

The Board, in a decision by Judge Waite, has handed down decisions placing constructions on the provisions in the tariff act of 1909, relating to bulbs of various kinds. The Leonard Seed Co., Vaughan's Seed Store and G. W. Sheldon & Co., appeared as protestants in cases affecting the classification of hyacinth bulbs. The Customs authorities at several ports assessed the bulbs under paragraph 263 of the Payne tariff, which provides for "hyacinth clumps." This classification called for a duty of \$2.50 per thousand bulbs, whereas the importers contended that the merchandise should be admitted at only 50 cents a thousand under the

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

last clause of the same paragraph as, "all other bulbs cultivated for their flowers or foliage."

Judge Waite reached the conclusion that the duty imposed by the Government officials is correct. He also overruled a claim filed by William K. Harris, who objected to the imposition of duty on tulip and narcissus bulbs at the rate of \$1.00 per thousand. The importer set up the contention that the bulbs were free of duty under the provision in the new tariff for "bulbs, not edible and not otherwise provided for in this section."

A NEW FLORIST FIRM.

John Klang, whose portrait appears here is just starting in business as a florist in Detroit. Some fifteen years



JOHN KLANG

ago he started as delivery boy with John Breitmeyer's Sons and proved very thorough and efficient. Advancing with the growth of the Breitmeyer institution he became thoroughly acquainted with all branches and now starting out in business for himself he can draw from an experience held by but few.

Associated with him is Mr. Rockelman, who is widely known in auto and yachting circles and possesses very many friends in the fraternal world.

Detroit florists welcome the new firm Klang & Rockelman with best wishes for a lasting success.

FRANK DANZER.

NEWS NOTES.

Fairmont, W. Va.—Fire partially destroyed the greenhouse of H. W. Leamon, Sept. 20th.

Farmer City, Ill.—Bay & Brachen have purchased the greenhouses of George Barnes and will move the buildings to the north end of the city.

Youngstown, Ohio—Fire destroyed

the boiler room and part of the greenhouse owned by Rudolph Haney, Sept. 17th, with a loss of about \$600.

Superior, Wis.—Five lots of land on the corner of Susquehanna avenue and 21st street have been purchased by the Superior Floral Co., and four more lots are being negotiated for. This firm intends to build two greenhouses this fall and two more later on. G. Tjensvold is the principal stockholder.

So. Marion, Ind.—Neighbors are much concerned in the strange absence from the city of Fred Herleman, who disappeared from his home several days ago, after abandoning his greenhouses and disposing of his household furniture. No one was left in charge of the property and Herleman's whereabouts are wholly unknown. Before leaving the city, Herleman either destroyed the vegetation in his four greenhouses or else some unknown person did it immediately after he left. Mr. and Mrs. Herleman have operated the greenhouses in this city for several years. Their relations during the past three years are said to have been badly strained.

KILMDEAD

The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Shumpp & Walter Co. 50 Barclay St.,
New York.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

PRATT'S
SCALECIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

GREENHOUSES BUILDING OR
CONTEMPLATED.

Elmhurst, Calif.—Domoto Bros., one
house.

Jacksonville, Fla.—C. E. Poor, one
house.

Garrettsford, Pa.—David Anderson,
one house.

Milwaukee, Wis.—E. Welke Co.,
one house.

Deposit, N. Y.—A. E. Kingsbury,
one house.

Superior, Wis.—Superior Floral Co.,
two houses.

Baltimore, Md.—James Hamilton,
two houses.

Muncie, Ind.—The Warfel Floral
Co., six houses.

Chicago, Ill.—Michael Penchar,
range of houses.

New Galilee, Pa.—Wm. F. Lauch,
propagating house.

Chicago, Ill.—Poehlmann Bros. Co.,
13 houses each 27 x 350 feet.

Clifton Heights, Pa.—Clement S.
Levis, propagating house, 8 x 52 feet.

Marshalltown, Ia.—Wm. H. Ford,
greenhouse, show house, office and
store combined.

Rutherford, N. J.—The Julius
Roehrs Co., are adding a range of
four houses, 15 x 100, and an orchid
house 15 x 175.

The King Construction Co. report the
following:

William F. Taubel, Riverside, N. J.,
cylindrical greenhouse, 22 x 95, with
two partitions and passage connecting
a service building.

A. C. Harrison, Orelan, Pa., 75-ft.
curved glass eaves house with two par-
titions and ornamental service build-
ing.

William Pierson Hamilton, Sterling-
ton, N. Y. Evan span greenhouse, 25
x 125, divided into three compartments
with a vestibule in front and passage-
way connecting to the service building.

John Henry Hammond, Mt. Kisco,
N. Y., 18 x 50 even span greenhouse
with service building.

W. B. O. Fields, Lenox, Mass., 14 x
42-ft., curved glass eaves.

Countess Santa Eulalia, Ashbourne,
Pa. Leanto 7 x 50, palm and orchid
house, 22 x 75 ft., chrysanthemum

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS

Sharp, Partridge & Co.,

2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

house, 20 x 75, and grapery 22 x 58,
with three connecting passageways.

HOLIDAY WEATHER INSURANCE.

The insurance idea has been carried
to such an extent in England that al-
most every possible sort of a happen-
ing has been covered. The latest, we
are told, is the inauguration of a form
of insurance whereby those whose holi-
day pleasures have been spoiled by
rain may obtain compensation in
money for the loss. In certain terri-
tory underwriters are ready to insure
against one-tenth of an inch of rainfall
during day time on more than two
days a week as shown by the records of
the British Rainfall Organization.

PATENTS GRANTED.

969,918. Seed-Dropping Mechanism.
Jacob Streitz, Marine City,
Mich.

969,943. Pipe-Coupling. Frederick N.
Cronholm, Naches, Wash.

970,454. Seed-Case. Albert Edward
McKenzie, Brandon, Mani-
toba, Canada.

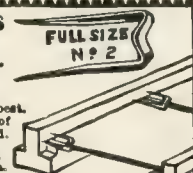
Pottstown, Pa.—Lloyd C. Keim is
making extensive improvements in his
greenhouse on High street.

**Holds Glass
Firmly**
See the Point &
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 15 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2in. pots in crate \$4.88	144 6in. pots in crate \$3.26
1500 2 1/4 " " 5.25	120 7 " " 4.20
1500 3/4 " " 6.00	60 8 " " 3.00
	HAND MADE
1200 3 " " 5.00	48 9in. pots in crate \$3.60
800 1/2 " " 4.80	48 10 " " 4.80
50 4 " " 5.80	24 11 " " 3.60
450 4 1/2 " " 5.24	24 12 " " 4.80
320 5 " " 4.5	12 14 " " 4.80
20 5 1/2 " " 4.78	6 16 " " 4.50

Send pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent. off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N.Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

**Syracuse Pottery Co., SYRACUSE,
N. Y.**

All The Clay for our Florist' Red Pots

is prepared by passing through a screen
1600 meshes to the square inch. If in
a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.,

Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.
PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."
SIGGERS & SIGGERS
PATENT LAWYERS
Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash
Of Every Description
Get our Prices and Catalogue.
S. JACOBS & SONS
1359-1385 Flushing Ave.
Est. 1781. BROOKLYN, N. Y.

KROESCHELL HOT WATER BOILERS
ORDER NOW
AT OUR EXPENSE
TELEGRAPH
This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.
More Kroeschell Boilers and Generators used for greenhouse heating than any other make.
Send for catalogue.
486 West Erie St., CHICAGO, ILL.
WILL SHIP WHEN WANTED
PAY AFTER BOILER REACHES YOU
KROESCHELL BROS. CO.

≡ KING ≡

Means quality as to design, material or workmanship in greenhouse construction. Our semi-iron houses meet every strain a greenhouse is subject to and our iron frame houses are the best yet produced.

Send for Our Bulletin

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices
The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE Second Hand

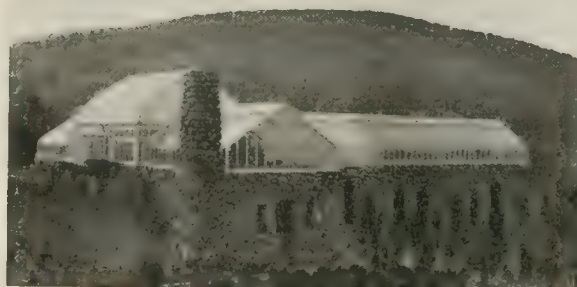
Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.
16 Midway St., Boston
Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



This T shaped plan of curvilinear palm house and three curved eave wings was recently completed at Oakdale, N. J.



From this side you see the difficulties of such a location and how successfully they were met.

Curved Eave Houses are the Thing These Days

We have the model way of building them to obtain greatest light, the strength needed and the attractiveness you want. Send for information.

HITCHINGS & COMPANY

1170 BROADWAY

NEW YORK



Plan 60 and Number 56

Sixty is one of those curvilinear layouts that are always exceedingly attractive when rightly designed. This one is. The e is one right way to build a curvilinear house and that is the Sectional Iron Frame Way. That's our way. Number 56 is one of those entirely practical houses with no fuss and feathers—just one

of our thoroughly well built lean to houses that fit so acceptably against a south wall or some building. This one is 50 feet long and has two benches and a centre walk. It is fully described in the Advance Pages from our New Catalog which we want to send to every Gardner or Superintendent. Have you one of the copies.



LORD & BURNHAM COMPANY Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Reckery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

OCTOBER 8, 1910

No. 15



CALCEOLARIA HYBRIDA.

J. B. Shields, Dalton, Mass., Grower

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,**
and
Kindred Interests

Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00

THE JUDGES

decided that there was ONE florists' supply house in America. Our exhibit was worthy of receiving the ONLY award of

HONORABLE MENTION

at the convention of the S. A. F. O. H., Rochester, N. Y. It is needless to say to wide-awake florists that this highly coveted award was made to

M. RICE & COMPANY

THE leading florists' supply house in America.

We want to bring this fact home to you when you read these lines; we want you to think what it means, these years of untiring work in studying your needs.

The judges of your society believe that we have accomplished that which has been accomplished by no one else, that our exhibit showed intelligent understanding of the needs of the florists of today, that we are working with you and with your best customers for the advancement of floral art.

We hope you will feel that it is to your interest to come to us and tell us of the difficulties you meet in your work and let us help you with them.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Importers — Manufacturers — Originators

1220 Race Street,

PHILADELPHIA, PA.

Our New Illustrated Katalog for the Asking.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS

Just Arrived in Fine Condition

Oncidium varicosum Rogersii, *O. Marshallianum*, *O. Fobesii*; *Laelia purpurata*, *L. cinnabarina*; *Cattleya citrina*, *Odontoglossum grande*.

**CARRILLO & BALDWIN,
Mamaroneck, New York.**

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

**LAGER & HURRELL, SUMMIT
N. J.**

The E. G. Hill Co.

**Wholesale Florists,
Richmond, Ind.**

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria, Excelsa Compacta, Robusta, Excelsa Glauca, Kentia, Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2½ inch \$30.00 per 1000.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 100; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

**Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.**

GERANIUMS

We are acknowledged headquarters for Geraniums. Let us book your order for good standard sorts, from 2 in. pots, at \$2.00 per 100, \$18.50 per 1000, for November delivery or later.

CANNAS

We have them, good standard sorts, as low as \$12.00 per 1000 for good strong division.

DAHLIAS

A splendid collection at \$5.00 per 100 for whole field clumps.

Swainsona Alba, Double Alyssum, Lantanas, Coleus Heliotrope, Salvia, Lemon Verbenas, ready for shipment, 2 in., \$2.00 per 100; 3 in., \$3.00 per 100.

HARDY CHRYSANTHEMUMS

We have a fine lot of plants in 3 in. pots for fall planting at \$3.00 per 100; \$25.00 per 1000.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

LORRAINE BEGONIAS

3 1/2 in. pots.....\$30.00 per 100
5 " ".....50.00 "

CYCLAMENS

3 1/2 in. pots.....\$20.00 per 100
5 " ".....50.00 "

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE

8-inch pots.....per 100. per 1,000.
4 " ".....\$20.00 \$160.00
" ".....30.00 250.00

GARDENIAS

8-inch pots, \$15.00 per 100.
4 " ".....25.00 " "
5 in. pots, \$5.00 per doz., \$35.00 per 100
6 " ".....\$6.00 and \$9.00 per doz.

BOSTON FERNS

.85, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Parkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS**JOHN SCOTT**

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 100; \$32.00 1000.

CHINESE PRIMROSES

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St., — **CHICAGO, ILL.**

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS

ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

DIRECT IMPORTATIONS**FROM OUR OWN DIRECT CONNECTIONS**

Bay Trees, Kentias, Araucarias, etc. Fall or Spring shipment from Ghent, Belgium.
Roses, Rhododendrons, Boxwood, Paeonies, etc. Fall shipment from Boskoop, Holland.

Valley Pips Nov.-Dec. shipment from Germany.
Japanese, English, French and Holland Nursery Stock.

DELIVERY FROM NEW YORK

Raffia, 4 grades, bale lots, also colored.
Jap. Lilies, Formosum, Giganteum, Multiflorum, etc.

Write for prices and particulars.

McHUTCHISON & CO., 17 Murray St., NEW YORK

BARGAINS

We want the room and will sell this stock at the following sacrifice prices. The clumps are immense and worth 50 cents to anyone who can use them. Prices are f. o. b.

SPEAK QUICK

5,000 Asparagus Sprengeri..... 10 cts.
2,000 " " 2 1/2-in. 3 "
3,000 Asparagus Plumosus Nanus, bench plants, clumps..... 15 "
1,000 Smilax, 2 1/2-in. 3 "
3,000 Maiden Hair Ferns, bench plants, clumps..... 15 "
Extra fine Boston Ferns, from bench, clumps..... 15 "
2,000 Boston Ferns, 2 1/2-in. 3 "

Heller Bros. Co.

New Castle, Ind.

VIOLET PLANTS

Field grown clumps of Gov. Herrick at \$6.00 per hundred, \$50.00 per thousand. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

CARNATIONS

Fine healthy, field-grown.

Per 100
400 Enchantress.....@ \$8.00
100 Boston Market.....@ 7.00
Patten and Queen.....@ 7.00
Pres. Seelye.....@ 6.00
300 Harlowarden.....@ 6.00
Var. Lawson....." 6.00

ROSES

Own root, fine stock, 3 inch pots.

Per 100
Perle and Sunset.....\$8.00
Bride, Bridesmaid, Golden Gate, Kaiserin.....6.00

Wood Brothers

FISHKILL, N. Y.

BUSINESS ANNOUNCEMENT

The Chicago Carnation Co., of Joliet, Ill., has opened a wholesale store at 35 Randolph St., room 203.

All business of the firm will be transacted here.

The store will be under the personal charge of A. T. Pyfer, the manager, and Will Starrett, formerly with J. B. Opitz and son of John Starrett, a veteran in the trade.

Old customers and new will be welcome.

CHICAGO CARNATION CO.,

A. T. Pyfer Mgr.

FOR SALE

About 2000 one year old roots **Smilax** and about 500 two year old roots **Plumosa** from bed. Strong stuff.

J. NEWMAN & SONS

24 Tremont St., Boston, Mass.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them**, the finest stock in the world of thoroughly tested hybrids. **For Forcing Purposes** we have a superb stock including our renowned introduction **Pink Pearl**.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SPECIAL PRICES.

CALIFORNIA PRIVET.

	Per 100	Per 1000
3 to 4 ft., extra heavy.	\$4.00	\$35.00
2 to 3 ft., extra heavy.	3.00	25.00

BERBERRY THUNBERGII.

	Per 100	Per 1000
18 to 24 in.	\$10.00	\$80.00
12 to 18 in.	8.00	60.00

CAROLINA POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

LOMBARD POPLAR.

(Low Branched)

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.,
The Burr Nurseries,
Manchester, - Conn

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Woburn Heights,
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Trees, Shrubs, Vines and Herbaceous Perennials

of excellent quality
at moderate cost

My Catalog is yours for the asking

DANIEL A. CLARKE

Red Oak Nurseries

FISKEVILLE, - - R. I.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

LANDSCAPE ARCHITECTURE

A QUARTERLY

50 cents an issue. 2 dollars a year

Official Organ of the American Society of Landscape Architects.

Devoted to the interests of the profession. It will contain authoritative articles on CITY PLANNING, PARKS, GARDENS, PLANTING and all subjects appertaining to the art of Landscape Architecture.

Published and edited by CHARLES DOWNING LAY, HENRY VINCENT HUBBARD and ROBERT WHEELWRIGHT, at 103 Park Ave., New York City.

TREES and SHRUBS For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

Tricky Peonies

Some are not only tricky, but are absolutely dishonest. You can put no dependence whatever on them. One who has spent years developing new kinds finds this out to his sorrow. I visited a man who had thousands of seedlings—some very fine ones. There was a plant with an immense crimson flower. I bought it, cut it up and gave it the best of care and never in six years has it produced a decent flower. Another time I saw a glorious deep pink—full lustrous—one of the finest. I bought a half interest, and in seven years it has not flowered. On my own grounds one bloomed—absolutely the grandest in 200 kinds. I let it stay there, thinking it might be discouraged if I moved it. The next year it had a very inferior flower and in five years not another bloom. One year my visitors noted a glorious bloom, resplendent in beauty. A representative of the press was there. "Let me name it." He called it "Exquisite." I got a good stake, printed the name on it, and watched it carefully the next year. The winsome bloom we saw was finely variegated—nothing like it known. Next year that identical plant bore a great ugly single flower, and never has had anything decent since.

All peony growers have been longing for a purely yellow peony. We have just been suffering for it. I had a lot of unnamed seedlings. One of them I divided up so as to make eight plants. Well, they bloomed pure yellow—no other color—just solid gold. All bloomed alike. Next year they did not bloom. I knew there were off years with flowers as well as fruits and I forgave them. Soon I had some to sell. A score of people had seen those golden flowers. My eyes could not deceive me. So I put "Golden Wedding" on the market. I was honest, but the peony wasn't. It was a shy bloomer and when it did bloom it was a worthless inferior pink, and then I had to catch it and make good. I am keeping some yet to see how mean they can be.

Another I named Sunbeam. Never among all my treasures did I see one of such rare and delicate beauty. It was ethereal in its loveliness—white, with a glorious silver reflex. It was radiant. Well, I sold some of those. But ever after the flowers were absolutely worthless—mean and miserable; nothing like the promise first made.

Many peonies will do well in one place but are worthless in other locations. Gigantea is a great favorite in the East, but with me it hasn't had a decent flower in eight years. I would not give it standing room. Milton Hill, of such delicate beauty in old Massachusetts, never has shown a bloom. Then other kinds can be depended on. Golden Harvest, Grandiflora Rosea and many others never fail. We find one of the most satisfactory is Mons. Dupont. It is an annual bloomer, much like Festiva Maxima, but much more hardy and independent. It is very late, has a good strong stem and the flower keeps a long time. Madam Emile Lemoine is all right, one of the finest on earth. Baronness Schroder is a success. Loveliness cost \$10 a root, but it is worth it. Avalanche, Mons. Jules Elie and Asa Gray are glories.

One trouble with new kinds sent out by Desert and others is that they ship them before they are confirmed.

They should keep them till they get through wobbling and settle down to know their own minds. They should be true to themselves and get through with all their tricks and pranks before being introduced to the public.

C. S. Hammon

York, Neb.

Arnold Arboretum Notes

Among the rhododendrons of the newer and lesser known varieties that have made a good record for hardiness and vigor at the Arnold Arboretum, are F. Gomer Waterer, blush white with yellow spot; Lady Hillingdon and Mum, similar in color; Salmoneum Roseum; Marquis of Waterford, red; Viscount Powerscourt, red with dark blotch; Baroness Henry Schroder, white with chocolate spot. All the foregoing have been planted four years, have made splendid growth each year and are now splendidly set with flower buds for next year, with that luxuriant dark foliage which indicates perfect contentment with their position.

Any one contemplating to plant rhododendrons can, we believe, safely include all the above-named varieties in the same class of hardiness as Everestianum, Caractacus or Charles Dickens. Four years' test under fair conditions ought to give them a standing.

Of course, planting should be done with a due regard to their essential requirements. Planters will do well to visit the Arnold Arboretum plantations, which furnish a valuable example of how and where to plant. Mr. Dawson agrees with Mr. F. Gomer Waterer, who has been visiting him, that in New England climate a position where the morning rays of the sun are more or less broken—especially at the turn of winter—is necessary to the well-being of the rhododendron. With a liberal amount of top light they will stand plenty of shade even for the greater part of the day. A western or northern exposure is best.

If well-drained, a deep soil is not necessary for rhododendrons. They are surface feeders and if given plenty of moist leaf mulch will luxuriate in it, sending out their roots in wide spreading mats.

Over two miles of walks in the Arboretum have been sowed with grass seed this year and a carload of ferns have been collected for planting along the brook, in association with five thousand Callunas. Callunas are not partial to shade but, contrary to the prevalent notion, want a sunny position.

Mr. Dawson recommends *Taxus cuspidata* as one of the best subjects for use as an evergreen hedge plant.

A new *Paulonia* among the Wilson Chinese introductions has leaves 18 inches to 2 feet across, on stalks 18 inches long, and produces a noble sub-tropical effect.

Acanthopanax ricinifolia, another tropical looking tree of great beauty, which was illustrated in HORTICULTURE two weeks ago, has ripened a quantity of fine seed this year. Only once before did it produce a few.

Cornus candidissima and Mountain Ash are among the beautiful berried trees at present, but it will not be for long as the robins regularly strip these trees each year about one week before they migrate south.

HORTICULTURE

VOL. XII

OCTOBER 8, 1910

NO. 15

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

 One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per
 cent.; six months (26 times) 20 per cent.; one year (52 times)
 30 per cent.
 Page and half page spaces, special rates on application.

 Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION— <i>Calceolaria hybrida</i> .	
TRICKY PEONIES— <i>C. S. Harrison</i> .	497
ARNOLD ARBORETUM NOTES.	497
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Chrysanthemums—Dutch Bulbs—English Ivy— <i>Ficus pandurata</i> —Lily Bed— <i>Miltonias</i> — <i>J. J. M.</i> <i>Farrell</i> .	499
CALCEOLARIA HYBRIDA	499
OBITUARY—Max Leichtlin—Mrs. Richard Witterstaet- ter	500
THE VINCENT DAHLIA SHOW—Illustrated.	501
CLUBS AND SOCIETIES: Nassau County Horticultural Society—Chrysanthe- mum Society of America—New Jersey Floricultural Society	502
Florists' Club of Philadelphia—Rhode Island Horti- cultural Society—Royal Horticultural Society.	503
Club and Society Notes.	500-503
THE UP-TO-DATE AT SUNNYBROOK— <i>G. C. Watson</i>	504
DURING RECESS—Bowling.	506
SEED TRADE: Discouraging Estimates on Peas and Beans—Enor- mous Losses to Growers—Where is the Favored Land?—Record Prices—The Aster Seed Crop.	508
OF INTEREST TO RETAIL FLORISTS: Steamer Departures—Notes.	510
New Flower Stores—Flowers by Telegraph.	511
FLOWER MARKET REPORTS: Boston, Chicago, Cincinnati, Detroit, St. Louis.	513
New York, Philadelphia.	515
MISCELLANEOUS: To Curb the Express Companies.	500
The Washington Flower Show.	500
A Silver Wedding.	500
Mushrooms in Europe.	501
Free Strawberry Booklet.	501
Personal—Jackson Dawson, Portrait.	506
Chicago Notes	511
Philadelphia Notes	515
Incorporated	515
A Notable Sale.	515
News Notes	505-515
Patents Granted	520
St. Louis Notes.	521
Insecticide and Fungicide Regulations.	521
Greenhouses Building or Contemplated.	522

He thinks that the chrysanthemum, for instance, would bring more money to the grower if the shorter and more normal season was adhered to, because the fact of the chrysanthemums' being in market from midsummer on, as has been the case this year, decreases the buyers' appreciation of them in their regular season. He instances also the lily, which is now in market regularly all the year 'round, as another suffering victim of the growers' injudicious course. We always have to smile when we hear an out-and-out retailer give a dissertation on what his dear brother the grower ought to do. And then we have another attack of mirth as we think of how industriously the grower will apply himself to trying to do things in accordance with the advice of his esteemed brother the retailer. Byron said: "Happiness was born a twin." So was the flower business.

Encourage the amateur

Referring to the small greenhouse exhibit of Lord & Burnham Co., at Rochester last August, which attracted considerable attention, we have often wondered that the florist trade have not done more than they have to encourage the multiplication of such. The demand for florist-grown material would not be diminished but largely increased, we believe, if these little conservatories were as common an adjunct to the city or suburban home as is the veranda or bay window. We know of a little greenhouse (9x17) in the back-yard of a very shallow lot at 2 Forrester street, in Salem, Mass., where the owner, Mr. Henry Bedinger, will be glad to show the visitor the possibilities with such an outfit. From Nov. 1 till middle of May this little conservatory is full of luxuriance and color, and the value of such as an inspiration and educator in the use of plants and flowers throughout the inclement months cannot be overestimated. Florists with short sight and narrow views are often inclined to look with disfavor on the introduction of these facilities for amateur flower growing, but we think they make a great mistake in so doing.

What home gardening might do

Our esteemed friend Benjamin Hammond of Fishkill, N. Y., who unselfishly devotes a large part of his time to school garden propaganda and interesting the children in healthful rural exercise, in a letter recently written to *HORTICULTURE*, reasons that the tendency to buy everything and raise as little as possible on the home premises has much to do with general high prices for food. In the many arguments on the causes of and remedies for the prevailing high prices of the necessities of life, to which much space has been given of late in magazines and newspapers, we do not remember having seen any that touched upon the point which Mr. Hammond brings forward. It sounds reasonable and logical and will bear reiterating throughout the length and breadth of this country. Observant visitors from Britain, France, Germany and other European countries frequently express surprise at the absence, here, of the well-tilled gardens which, over there, are a familiar adjunct to so many homes. When we stop to think of the countless unproductive plots that line the roadways in our suburban communities and the results that a little well-directed industry might extract from them, the school garden and home garden movements loom up more and more impressively as among the most worthy instrumentalities now working for the people's good.

A retailer's advice

A gentleman connected with the management of one of the largest and most prosperous retail florist establishments in the West expresses strong disapproval of the constant effort being made by flower growers to produce flowers out of their regular blooming season.

Seasonable Notes on Culture of Florists' Stock

CHRYSANTHEMUMS.

This is the time of all others when our plants must not be neglected. They will need tying and disbudding as they come along. As soon as the buds are set, liquid manure should be applied once a week. Half a bushel of cow manure or about a peck of sheep manure is sufficient for 50 gallons of water. Do not use the same manure twice in succession, as these plants like a variety of food. For a change use a three-inch pot full of sulphate of ammonia, or the same quantity of nitrate of soda, to 50 gallons of water. When the cool nights come it is better to run a line of heat through your houses and have on several inches of air than to close your house up tightly in order to keep up the desired temperature. You should never let your houses fall below 45 degrees at night. Fumigate often, for if the black and green fly get a headway now they are certain to spoil your crop of flowers later.

DUTCH BULBS.

The sooner these bulbs are boxed or potted after being received the better. No matter at what time hyacinths, narcissi, tulips and other Holland bulbs are wanted for forcing, whether for an early or late trade, it is at all times best to plant them as soon as possible. For early use it is absolutely necessary, because it will take any of these bulbs at least eight weeks to form roots. Use any good friable soil liberally enriched with old and thoroughly decomposed stable manure. The old bench soil that was taken from the rose or carnation houses earlier in the season is as good as any. After the boxes, pans and pots are planted they should be given a good soaking clear through, and then covered with a layer of, say, four or five inches of soil or sifted coal ashes, whichever comes the handiest. An additional covering of long manure, hay or straw will be required later on to protect against a solid freezing up.

ENGLISH IVY.

Any old plants of this ivy now doing duty outdoors in vases or boxes can be utilized for propagation. Now is a good time to root a batch that will grow into a fast selling and serviceable stock by next May. Every florist should have a good supply of this ivy for vase and veranda use, as they stand the heat, drought, and wind well.

FICUS PANDURATA.

This is a comparatively new species, a very strong grower, with large foliage, which gives it especial value as a decorative plant. Its foliage being of a very tough texture, it can stand much abuse, such as dust, dry air and draughts, and unquestionably stands the test as an invaluable plant for the decoration of public halls, office, and house. It can be propagated just as readily as those of the common *Ficus elastica*, by mossing or cuttings. They will flourish on a bench in a light house that can be kept at from 55 to 60 degrees at night. After they have reached a 5 or 6 inch pot and are well rooted through, they will stand a great deal of liquid manure, which will grow them rapidly into fine specimens.

LILY BED.

Every florist, if he has the ground, should have a lily bed. A succession of flowers can be had from June

until September. Lilies prefer a light soil, as a rule, enriched with some very old manure. The principal requisite is that the soil is well drained. They also like some shelter from the severe winds as well as the mid-day sun. When planting, set the bulbs at least 6 or 7 inches deep and from 12 to 15 inches apart. Replanting should be done at intervals of 5 or 6 years. If left longer the bulbs get smaller and smaller, ultimately dying from starvation. This work should be commenced as soon as their tops die down. Throw out the soil to the depth of about 8 or 9 inches, replacing it with some well-rotted manure or leaves to the depth of 4 inches, after which dig it in with the soil. Then replace the bulbs, setting them from 12 to 15 inches apart. Cover the beds upon the approach of winter with coarse manure to the depth of 5 or 6 inches. The rains will carry the plant food down to the roots, which is the best way of maintaining their vigor. If beds are protected in this manner both summer and winter, better and more flowers will be the result. For a succession of bloom I would advise getting the following: *Lilium davuricum erectum*, *L. davuricum incomparabile*, *L. Thunbergianum*, *L. candidum*, *L. longiflorum*, *L. martagon*, *L. auratum*, *L. speciosum roseum*, *L. tigrinum*, *L. tigrinum splendens*, *L. tennifolium*, *L. chalcedonicum*, *L. monadelphum*, *L. concolor*, and *L. canadense*.

MILTONIAS.

Botanically, *Miltonia* is closely allied to *Odontoglossum*, but in many ways their culture is very different. The allied species, *Miltonias candida* and *cuneata*, do well in liberally drained pans or pots. A good compost for these is rough chopped sphagnum and fibrous peat, with quite a few pieces of broken charcoal mixed through. These plants should not be allowed to become dry in their growing season and, even when at rest, they should never become dry for any length of time. Syringing is necessary at all seasons, for this group is a subject for thrips. *Miltonias flavescens* and *spectabilis* do better when suspended from the roof in baskets or pans. These require a temperature of from 60 to 65 degrees by night and about 70 to 75 degrees by day during the winter. One of the most beautiful of *Miltonias* is *M. vexillaria*. It does very well in a house with a northern exposure. It will not stand a close, stuffy atmosphere. Always have a constant circulation of top and bottom air on all possible occasions. A winter temperature of 55 to 60 degrees seems to suit well. This species should be more grown commercially as it is unexcelled for table decorations.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Allamandae*; *Coreopsis grandiflora*; *Lomarias*; *Oxalis*; *Rhododendrons*; *Storing Roots and Tubers*.

Calceolaria hybrida

This showy favorite of the spring conservatory is particularly well done by several eastern gardeners, prominent among whom is J. R. Shield, superintendent of the "Model" Farm Gardens at Dalton, Mass. The handsome specimen shown in our cover illustration is from the strain of seed known as "Boddington's Perfection." Mr. Shield has promised to send us some notes on *Calceolaria* Culture in the near future.

Obituary.

Max Leichtlin.

With Max Leichtlin, who died at the age of 80 years on September 3 at Baden-Baden, the horticultural world has lost an eminent horticulturist and an enthusiastic lover of plants whose name is intimately associated with the introduction to cultivation of a great number of valuable plants. He was chiefly interested in hardy plants and more particularly in bulbous plants and he not only introduced them, but also cultivated and propagated them successfully and improved many by hybridization and selection. He was perhaps better known in this country and in England than any other German horticulturist, because he was a frequent contributor to the *Gardeners' Chronicle* and to the *Garden* and in this country to *Garden & Forest*, where from 1890 to 1898—when this publication ceased to appear—numerous articles of his pen can be found. He also sent seeds and plants of trees and shrubs introduced by him to the Arnold Arboretum, though his interest in trees and shrubs was not as great as in herbaceous plants.

He was born at Karlsruhe, Germany, in October, 1831. At the age of fifteen he became an apprenticed gardener and served later at Frankfurt, Bollweiler and Ghent. Afterwards he traveled for several years and returned from South America in 1856 to spend a short time at the botanic garden in Dublin and then two years with Van Houtte in Ghent. From Ghent he went again to Karlsruhe to engage in the business of paper manufacturing with his two brothers and devoted himself for fifteen years entirely to this occupation. Having then acquired a small fortune he retired to Baden-Baden and founded a private botanic garden and began to collect and to cultivate hardy plants and particularly bulbous plants. At one time he had the best collection of lilies, later of irises, gladioli, tulips, also of nerines, crocus, colchicums and other bulbs. He also introduced many other hardy plants, as *Ramondia Heldreichii*, *Ostrowskia magnifica* the largest known Bellflower, *Meconopsis aculeata*, *Tellima parviflora*, *Incarvillea Delavayi*, *Haberlea rhodopensis*, several species of *Eremurus*, *Primula* and others. He raised a number of valuable plants by hybridization of which perhaps the best known are *Gladiolus Childsii* and *Aubrietia Leichtlini*. Quite a number of his introductions were named in his honor, as *Lilium Leichtlini*, *Kniphofia Leichtlini*, *Calochortus Leichtlini*, *Freesia Leichtlini*, *Milla Leichtlini* and others; also a genus, *Leichtlinia*, was named after him, but this is generally considered only a section of *Agave*. He was probably better known and more appreciated in England than in his native country; one volume of the "Botanical magazine" and also one volume of the "Garden" was dedicated to him; he was awarded the Veitch memorial medal and the great gold medal for his services to horticulture. As the introduction of new plants from foreign countries difficult of access was connected with great expense and as he was not inclined to exploit his in-

troductions commercially, he died quite a poor man after having sold his house and garden a few years ago on account of his failing health.

Mrs. Richard Witterstaetter.

The florists of Cincinnati have suffered an irreparable loss through the death of Mrs. R. Witterstaetter. The sad event came so suddenly and unexpectedly that it is difficult to realize that she will be no more at the place she loved so well—at home, sweet home; and that we shall never again feel the warm clasp of the hand with which she was wont to greet her friends. Of her it can only be said, that she was an ideal woman, simple in her every-day life, kind to all and a steadfast friend. The funeral took place from the family residence Oct. 3, and the remains were laid to rest in beautiful Spring-Grove cemetery. The floral tributes were magnificent and too numerous to describe separately. Mr. Witterstaetter and his aged mother have our sympathy in this hour of bereavement.

TO CURB THE EXPRESS COMPANIES.

The opposition to the methods of the express companies has reached such a point that the railroads are seriously considering whether to end the express business by taking over that branch of transportation themselves. Already some of the larger lines are running their own express departments. The change will not necessarily mean an end of all the bad practices of the express trade. The main advantage would be that everything would be more directly under the control of the State and Government conditions, and any excessive rates or unfair conditions would be promptly taken up by these officials. The associations of business men, bankers, farmers, etc., are working as never before to secure relief from the express monopoly, and success seems nearer than at any time in the past. *Amer. Cultivator.*

CLUB AND SOCIETY NOTES.

The florists of Janesville, O., with their employes, held a picnic recently at Moxahala Park. Among the athletic diversions was a game of baseball between the men and the women, in which the fair sex won by a score of 15 to 14. On this occasion permanent organization as a Florists' Club was effected and meetings will be held monthly. J. T. Goodlive was elected president, Edward Caton, secretary, and Henry Schwab, treasurer.

At the last meeting of the Springfield, O., Florists' Club, John M. Good and George H. Mellen were appointed a committee to circulate among local florists a petition for the adoption of a parcel post system by Congress. The candidates for Congress from this district will be interviewed and requested to define their attitude toward the question, it being the opinion of the members that the real opposition originates among the express companies of the country. The Club voted a contribution of \$25 to the publicity department of the postal department of the postal congress league of New York City.

THE WASHINGTON FLOWER SHOW.

The Washington florists have decided to hold their floral show this year in Convention Hall, which has a seating capacity of about 8000 persons, in connection with the National Manufacturers' and Householders' Show, October 24 to November 5. This will probably be the most elaborate, ambitious show ever held by the florists of the Capital City. Heretofore the flower show has been held in Masonic Temple. A proposition was made to the florists by the management of the National Manufacturers' and Householders' Show to give 12,000 square feet for a floral display and the offer was accepted.

A feature will be the Japanese sacred mountain, Fujiyama, surmounted by a pagoda. There will be another peak with a windmill surmounting it, and from the mill a stream will fall in cascades, giving room for artistic treatment. In the pagoda tea will be served. There will be rustic fences, and a big temple suggestive of the Orient, while pergolas, rock work, urns, er pieces and other features will complete a striking exhibit. The idea is an enlargement of the decorations at the big banquet at the Willard Hotel given to President Taft before he started, when secretary of war, on his famous trip to the Orient.

F. J. DYER.

A SILVER WEDDING.

Mr. and Mrs. William Keith of Medford, Mass., observed the 25th anniversary of their wedding on September 30. Friends and neighbors gathered at a nearby house, and headed by a bagpiper, surprised them in the evening by marching into their home and voiced their congratulations through a local orator, at the same time presenting them with a solid silver tea set. An informal reception with the usual refreshments on such an occasion followed. The company numbered nearly fifty, coming from various parts of New England and New York state. A good deal of talent was among them, and the rendering of readings and songs contributed much to the evening's enjoyment.

Mr. Keith has been head gardener for General S. C. Lawrence for about 26 years, and deserves credit for the neat and well-kept appearance of the ornamental part of this large estate, which is at all times open to the public, thousands visiting it every season. Mr. and Mrs. Keith are natives of Aberdeenshire, Scotland, and came to America many years ago.

We have received a copy of the four-page periodical issued semi-monthly as the organ of the St. Louis Florist Club. We congratulate our St. Louis friends on the commendable local enterprise displayed in the goodly number of advertisements which the Bulletin carries.

No less than 100,000,000 seedlings, for the purpose of budding and grafting, are brought into this country by the nursery importing interests every year.

THE VINCENT DAHLIA SHOW.



Dahlias at Vincent's.

The fourth annual Dahlia Show and Harvest Home Festival of Richard Vincent, Jr., & Sons Co., White Marsh, Md., was held Sept. 27-30. The big packing department was transformed into a great floral hall, artistically arranged. The expert massing of the dahlia blooms against green foliage backgrounds brought out effectively the wonderful colors. On one side were blooms bedded in moss—over 200 varieties and each kind labeled—and here the florists as well as the layman congregated. The displays of "Centurys," Cactus types and "Collarettes," were simply magnificent. To the ordinary citizen the show was not only very interesting but educational as the varying types illustrated the wonderful evolution that has been going on. Here were to be seen all specimens of the graduated advancement from the miniature pompon on up the line to sizes prodigious.

Attractive as was this interior decoration still more so were the acres of dahlias, bowing their colored beauty as the breezes came and went. The acreage of dahlias is not as great as in former years. But 26 acres in one "block," is quite a patch to see. The long rows of blooms looked like various colored ribbons. Among some new types developed by this firm, seedlings, are William Pierce, Mrs. Charles L. Seybold, a magnificent deep rose daintily edged with white, of pronounced peony type; Mrs. C. W. Bassett, also a deep rose pink. There are several additional seedlings yet unnamed that will "make good." Every visitor went home with a huge armful of dahlias.

There were 10 acres of cannas in bloom including some of the most re-

cent introductions, and florists learned something about the value of new varieties both in bloom and foliage qualities. In addition to these multitudes of dahlias and cannas, geraniums were seen by the acre also. The cut shown is a section of one of the houses which contains eight such sections. Dahlias are raised by the million and there are fully 100,000 geraniums.

Besides all the foregoing, vegetable plants are raised by the million and shipped all over this country. This annual event is visited by thousands



Cannas at Vincent's.

every year. Gardeners' Clubs go in a body. Visitors are not only local, but come from a number of states. A special train was run each day from Baltimore.

It is stated that the summer cottage of Mrs. R. D. Evans, at Beverly, Mass., which has been occupied for the past two seasons by President Taft, is to be torn down and an Italian garden installed on the grounds.



Geraniums at Vincent's.

MUSHROOMS IN EUROPE.

The mushroom has become an article of diet in the Saxon household to such an extent, and the interest in its development and use has taken such hold on all classes of people that a mushroom exhibition is a popular event in Saxony. In an exhibition now being held there are about 100 varieties of mushrooms displayed in moss or in grass, according to the manner in which they grow. They are divided into five groups, known as savory, edible, worthless, suspicious, and poisonous mushrooms. There is also exhibited a specially constructed wagon for gathering mushrooms, adapted for the use of school classes when making excursions in the season. Preserved mushrooms are also shown, together with instructive literature as to gathering, drying, preserving, and cooking.

The Saxon government, in order to prevent any likelihood of poisoning through imperfect knowledge of the various species of edible fungi, has directed that regular, systematic instruction be imparted in the elementary schools to familiarize children thoroughly with mushrooms. As illustrations and models are insufficient to acquaint pupils with the different species, it is directed that the kinds that are likely to be confused with poisonous varieties shall be displayed in some ap-

propriate place in the school. Children are encouraged to gather specimens and bring them to the teacher, when the mushrooms will be studied and classified.

FREE STRAWBERRY BOOKLET.

The Missouri State Board of Horticulture has just issued Bulletin No. 3, entitled "Strawberries." This treatise was written by an experienced grower in the famous strawberry district of Southwest Missouri. There is a full discussion of all the principal points connected with growing this fruit for the home and for market purposes. For the first time much valuable information is made available not only concerning the planting and care of strawberries, but the extent of profits that may be expected per acre where grown upon a large scale. These figures have the advantage of having been taken from actual experience. The list of varieties discussed is the fullest and most complete of any to be found in any recent publication, the number described in detail being 82.

This bulletin may be secured free upon application to W. L. Howard, Secretary, Columbia, Mo.

SIT UP AND TAKE NOTICE

Jas. Weir's Sons, Florists

have authorized us to call a sale of the property, stock, and good will of the business situated on 5th Avenue and 67th Street, Brooklyn, on Wednesday, Oct. 19th, 1910, at 11 A.M., by

AUCTION

WM. ELLIOTT & SONS, Auctioneers

42 Vesey St., New York

WM. ELLIOTT, Auctioneer

CLUBS AND SOCIETIES

NASSAU COUNTY HORTICULTURAL SOCIETY.

The dahlia show of this society was held at Pembroke Hall, Glen Cove, N. Y., Sept. 28. Some very fine blooms were shown and the hall was well filled with the numerous entries. Winners were as follows: Collection of 50 varieties, silver cup presented by Henry A. Dreer, 1st, W. Eccles; 2d, G. Barton; 24 Cactus, I. Stanley Brown's prize, 1st, W. Eccles; 2d, G. Barton; 12 Cactus, not over 3 years old, Rawson's silver medal, 1st, G. Barton; 2d, W. Eccles; best 6 Cactus, 1st, G. Ashworth; 2d, G. Barton. Of the remaining classes, G. Barton won five firsts, G. Ashworth three firsts and one second. H. Gaut, two firsts, two seconds; J. Kirby, one first, one second; J. McDonald, two firsts; A. Golon, one second. Honorable mention was awarded to W. R. Marshall for 12 giant Ailsa Craig onions and 3 heads of cauliflower; to Geo. H. Peterson, of Fair Lawn, N. J., for two vases of rose "W. R. Smith; to J. Reidenbach for vase of gladioli; to W. Eccles for vase of carnations; to Henry A. Dreer for display of dahlias, over 180 varieties. The children also had a very nice exhibit of flowers.

O. E. ADDOR, Cor. Sec.

CHRYSANTHEMUM SOCIETY OF AMERICA.

President Elmer D. Smith announces the committees to examine new chrys-

anthemums for the ensuing year, as follows: Boston—Wm. Nicholson, chairman; James Wheeler, Alexander Montgomery. Flowers shipped to Boston Flower Market, care of chairman. New York—Eugene Dailledouze, chairman; Wm. Duckham*. Flowers shipped to New York Cut Flower Co., 55 W. 26 street, care of Eugene Dailledouze. Philadelphia—A. B. Cartledge, chairman; John Westcott, S. S. Pennock. Flowers shipped to chairman, 1514 Chestnut street. Cincinnati—R. Witterstaetter, chairman; James Allen, Henry Schwartz. Flowers shipped to chairman, Jabez Elliott Flower Market, care of janitor. Chicago—J. B. Deamud, chairman; Geo. Asmus, W. H. Kidwell. Flowers shipped to J. B. Deamud, 51 Wabash avenue. To arrive by 2 p. m. on day of examination. Exhibits to receive attention from the committees must be prepaid to destination, and an entry fee of \$2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character.

Special attention is called to the rule, that sports to receive a certificate, must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday throughout

October and November, the dates of which will be October 8-15-22-29, November 5-12-19-26.

* The third member of the New York Committee will be announced later.

CHAS. W. JOHNSON, Sec.
Morgan Park, Ill.

NEW JERSEY FLORICULTURAL SOCIETY.

The fifth annual dahlia show of the N. J. F. S. was held in Lindsley Hall, Orange, October 1st. There was a large attendance. The quality of the exhibits was first class, and altogether the show was the best of its kind the Society ever held. Among the outside visitors were Charles McTaggart, representing Marshall & Co.; George W. Strange, representing W. A. Manda, and William Tricker, Arlington, N. J. Mayor Arthur B. Seymour of Orange opened the show at 4 o'clock. Walter M. Gray of Maplewood, N. J., captured the Hitchings' cup, which was awarded for the best 60 flowers of Show, Decorative and Cactus dahlias. S. M. & A. Colgate, gardener William Reid, won the second prize cup donated by James Laing, Orange. A. B. Jenkins, gardener Albert F. Larson, was awarded the third prize cup presented by the Society. Other awards were as follows: 25 Show dahlias in five varieties, Walter Gray; 25 Decorative dahlias in five varieties, Walter Gray; 25 Cactus dahlias in one or more varieties, Albert F. Larson, first; Walter Gray, second; Max Schneider, third; 12 Show dahlias in three varieties, Max Schneider; 12 Show dahlias in three varieties, red, crimson and bronze, Max

Schneider. Best seedling dahlia not yet disseminated, Walter Gray. William Tricker had a fine display of outdoor roses on exhibition for which he received an award of merit.

First-class certificates for dahlias were awarded to Walter M. Gray, Dederich Kindsgrab, Edward Merrit and Wm. Reed. Certificates of merit to P. A. Conners, A. F. Larson and Chas. Ashmead for dahlias and Max Schneider. Cultural certificates to Wm. Reed for dahlias and M. V. Brinkerhoff, gardener Wm. Hatton, for egg plant.

The judges were Wm. Tricker, A. T. Caparn and James Caswell.

WM. REID, Secretary.

FLORISTS' CLUB OF PHILADELPHIA.

Installation night at the club rooms on the 4th inst. was a great success, over a hundred of the members turning out to celebrate the occasion and enjoy the stereopticon lecture by R. Vincent, Jr., of White Marsh, Md., on "Holland and Its Bulbs," which was most interesting and instructive. The officers of the club set up the refreshments and same were greatly appreciated by the members. It was like old times again, to judge by the jollity and enthusiasm prevailing. Robert Scott & Son exhibited a vase of their improved Pink Killarney rose, which has nearly twice the number of petals as the old sort.

RHODE ISLAND HORTICULTURAL SOCIETY.

The annual fall exhibition of this society was held in Columbian Hall, Providence, R. I., on Sept. 29 and 30, was pronounced to be the most successful ever given by this organization. Premiums were more in number and larger than usual and the weather was favorable to a large display of dahlias and other outdoor material. An in-

novation this year was the limiting of the competition to residents of Rhode Island. Out-of-state exhibitors were given certificates and gratuities. Another new rule was the change from a paying to a free show and the public seemed to appreciate it. The fruit exhibits were of a very high standard of excellence.

ROYAL HORTICULTURAL SOCIETY OF LONDON.

At the committee meeting on September 13, at Vincent Square hall, orchids were displayed in considerable numbers.

First class certificates were awarded to H. S. Goodson for *Cattleya Adula* King Edward VII (C. bicolor × C. Dowiana aurea) a flower of fine shape and large size, the petals and sepals pale green tinged yellow, with faint veins and lip broad, and amethyst in color. The other certificate was awarded to Sir George L. Halford for *Laelio-Cattleya Berthe Fournier Magnifica* (C. Dowiana aurea × *Laelio-Cattleya elegans*). In most of the forms from Westonbirt the lip is nearest to that of C. aurea, but that of magnifica differs in being nearer to C. Iris, but having greater width. The labellum is amethystine purple, the petals and sepals deep rose pink with a yellow tinge.

Awards of merit were given to the following: Mrs. Norman Cookson for *Cypripedium Angela* (niveum and *Fairieanum*) a white variety of pretty form, the dorsal sepal, petals and pouch lined and marked with purple. *Odontioda Cecilia* shown by Mr. R. G. Thwaites, Chessington, a new hybrid between C. Noezliana and O. Wigani-anum. The ground color is creamy white with red spotting and the lip has patches of red on either side of the crest. *Cattleya Adula Thwaites'* variety, shown by R. G. Thwaites. A very fine flower of pinkish lilac, the lip crimson-purple, and of great breadth and the base marked with orange.

FREDERICK MOORE.

CLUB AND SOCIETY NOTES.

R. Vincent, Jr., will talk before the Gardeners' & Florists' Club of Baltimore, Monday evening, October 10, on his recent observations at Kew and Covent Garden, England.

Our attention has been called to a mistake in our account of the N. Y. Florists' Club meeting where it was stated the Harry Turner's exhibit of *Clerodendron fallax* had received five points in competition for the Hitchings trophy. We should have said 85 points.

The annual dahlia show of the New London Horticultural Society was held at Norwich, Conn., on September 24. It was the most imposing dahlia exhibition in the society's history and the groups of perennial bloom, gladioli and greenhouse decorative plants made a grand effect in combination with the dahlia displays. Of the professional exhibitors, the Geduldig Estate with palms, etc., and O. P. Chapman, of Westerly, with dahlias, were prominent. The judges were Alex. Cumming, Jr., of Hartford; John Maloney and Alfred Flowers, of New London.

A lily bulb is a small matter to make so much fuss about.

There would be no need of fuss if we could convince bulb growers that Horse-shoe Brand Lily bulb will average more blooms per thousand bulbs than any other brand; that they are packed well and keep better; that they are secured from only the finest fields in the world; and that their actual cost is less than inferior goods.

Don't be fooled—at the present time there is no brand put up that will equal Horse-shoe Brand.

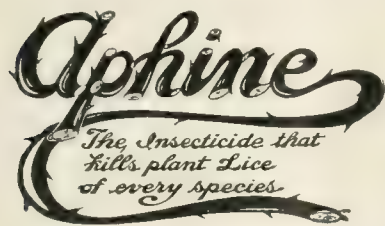
You may have a catalog if you write for it—you are not obliged to buy.



Ralph M. Ward & Co.

12 West Broadway,
NEW YORK

Formosum, Multiflorum and Giganteum ready for delivery.



Skilled florists claim that one thorough spraying with Aphine will rid the house of an insect pest for a longer period than any other known insecticide.

Aphine may appear more expensive than some other remedies, but it is proving itself to be the cheapest.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, Brown and White Scale.

\$2.50 per Gallon, \$1.00 per quart.

Get it from Your Seedsmen, or Write

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Crocket Building. San Francisco, California.

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

THE UP-TO-DATE AT SUNNYBROOK.

Sunnybrook lies on the banks of the Delaware on the Jersey side 17 miles S. S. W. from Philadelphia. A trip by auto there and back is a pleasant day's outing allowing half the time for crop inspection. Mr. Burpee's New Jersey farm "Sunnybrook" is located a few miles from Swedesboro and your correspondent had the golden opportunity offered recently of being one of a party in the inspection trip. Mr. Burpee and another eminent seedsman (Robert Buist), both having interests in the neighborhood, having combined forces on the Buist auto. The purpose of the trip was that of inspecting the experimental grounds and finding out by personal inspection how true everything was to type—not only the Burpee stocks but that of every other prominent seed grower. You should have seen them cutting open the musk melons—two hundred different plots and sampling and re-sampling each, and going back over them again and again. Is it true to shape? Is it the right color? Is it big enough? Is it early enough? Has it the flavor? Is it perfect in every way? These were the questions.

Sunnybrook is a fine little farm of 88 acres, 6 miles or less from the Delaware river opposite Wilmington, Delaware—the greatest tomato, sweet potato, and melon stretch in this part of the world, both for trucking and seed farming. Thirty carloads of tomatoes is an ordinary shipment from Swedesboro in the season; and Pedriktown, a little nearer the river, ships probably as much or more daily by barge—besides sweets and all the other staples. A most inspiring, busy, halcyon scene indeed, to the onlooker.

When we got to Sunnybrook there was the finest kind of welcome from the resident manager, Mr. Frazier, and family. Everybody felt at home instantly, and went at the experimental grounds without delay. There were some five hundred plots of cantaloupes, water melons and squashes. Two hours or more under the tutelage of George W. Kerr were spent, sampling everyone that was in season as to size, marking truth to type, and taking a little sliver out of each for flavor.

Some day we may tell you about the relative merits of Jenny Lind, Rocky Ford, Emerald Gem, and the rest. But for the present, all we want to impress on you is the extraordinary pains

that Burpee is taking in keeping up these experimental grounds at great expense, for the sole purpose that the American people may have the very highest quality of everything next year and in the years to come. One thing is certain—the American people owe Burpee the greatest debt of gratitude for luscious melons. He introduced most of the good ones—the Netted Gem (or Rocky Ford, as it is now more commonly known); the Emerald Gem, the Kleckley Sweets and hosts of the other leaders all along the line.

The season has been a little too wet in Jersey for good seed setting in peppers and similar plants, but the crops of Black Beauty egg plant and other similar items excited the admiration of everybody. The Chinese Giant pepper occupied a large area and seemed to be doing well. This has now become a standard variety and is much esteemed. There is a good early one that will be heard from by-and-by, called the Neapolitan Early which originated among the Italian immigrants down around the Vineland settlements. The Ruby King looms up still as a prime favorite, of course, and there is a new one called New Upright that Mr. Earl thinks the thickest walled of all and a winner. Make a note of Dwarf Giant tomato; this to all intents and purposes is a dwarf compact sport from the celebrated Ponderosa. Looks to be a valuable acquisition.

We examined two hundred and forty tests of water melons; two hundred of musk melons; one hundred and fifty of squashes and pumpkins. We came on a test of musk melon that when cut open did not show true to color. Talk about an explosion. More cutting open; then another patch examined and the first opinion discard-

ed; then a heated discussion; then the whole thing left in abeyance for a week until developments develop. This does not look as if the great seedsmen of America were indifferent to the interests of our people and unconscionable robbers as some seem to think. To us it was an inspiring afternoon, and we girded up our loins and said they are benefactors, and pioneers, and teachers, and all 'round good fellows, full of enthusiasm and big-heartedness.

We were too early to test the water melons in this part of the country. The three great propositions from all accounts today seem to be Kleckley Sweets, Halbert Honey and Tom Watson. More anon on this subject. As for the musk melons, they were just about right. Our old friend Jenny Lind, heretofore unexcelled for flavor, loses on size and they don't want it. Burpee has one that he calls the New Spicy, which is twice the size of Jenny and equally as early, and even better in flavor, if that be possible.

While thus engaged, a Chicago seedsman drove up, adding one more to the group of experts. His principal point of attack was Osage Gem versus Burrell's Gem. The resultant discussion seemed to wind up in a compromise, which was, "both the same"; but "Burrell's" has the popular fancy—like Rocky Ford over its real name Burpee Netted Gem.

We will tell you later about the Giant Limas, pods nearly a foot long; the Dwarf Prolific tomato, the Dwarf White Dolichos, and a whole lot of other things, including the way they bring poor land from nothing to fertility by cow-pea-ing and soy-beaning and crimson-clovering.

G. C. WATSON.

"SEE HOW THE LAND LAYS"



FOR THE "LAND'S SAKE" Why Don't You Drain or Terrace That Farm of Yours?

You don't need a Surveyor Get a **Bostrom Improved Farm Level** and do the work yourself

THIS LEVEL IS NO MAKESHIFT. The outfit includes Level, Telescope with magnifying glasses enabling you to read the Target a quarter of a mile away; Tripod, Graduated Rod, Target and Bostrom's 70 page book—"Soil Salvation"—giving the cream of 25 years practical experience in DRAINING, TERRACING and IRRIGATING, with full instructions on how to use the Level, Simplicity, Accuracy, Durability GUARANTEED.

Used and endorsed in every State in the Union, also Canada and Mexico.

Shipped on receipt of price \$15.00; money back if not satisfied. Or, if preferred, will ship C.O.D. \$15.00 and express charges, subject to approval. Shipping weight 15 lbs.

If not on sale in your town, order from nearest address.

BOSTROM-BRADY MFG. CO., 323-H Brunswick Bldg. NEW YORK, N. Y.

139 Madison Ave., ATLANTA, GA. 1139 Pine Street, ST. LOUIS, MO.

VOLUME
1
NUMBER
14

BODDINGTON'S STORE NEWS

SATURDAY, OCTOBER 8, 1910

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August and September

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb., \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 60 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet, free-flowering and early. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny Pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

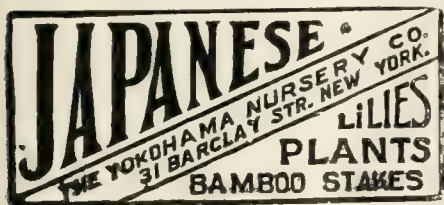
Watchung. Pure white. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON, Seedsman, :: 342 West 14th Street, NEW YORK



NEWS NOTES.

Elgin, Ill.—Radical improvements are to be made next spring in the greenhouse at the Elgin State Hospital. A recent inspection shows that rebuilding is necessary. Thomas Holmes is gardener.

Centerville, Ia.—The A. C. Croft Seed Co. is to erect a four or five thousand dollar building in South Centerville, and in connection with this house is to have a branch house in Moulton, work upon which is about to commence. It is the intention of the company to incorporate this fall with a capital stock of \$10,000. In all probability the Centerville house will be begun in the early spring.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

It's a Real Pleasure to Sell Heacock's Fine, Home-Grown Palms



Your customers get the kind of quality they like when you sell them Heacock's Palms—and you get the kind of returns you like. It's a real pleasure to handle our Palms—they are sure to please the most particular of your customers—and besides, they enable you to make money in three ways:

First, you can sell them on a good margin. Second, they "move" quickly—don't tie up your floor and counter space for long at a time.

Third, there need be no loss by their perishing on your hands—a little attention from one of your clerks will keep them in first-rate shape. This is because they are grown by Palm specialists from seed to mature plant, right here in our own houses.

There's money for YOU in handling our Palms—we can prove it by hundreds of firms who have been our customers for years. Here are our prices, and the stock was never better—let us hear from you NOW.

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz.
6-in. pot	5 to 6	28 to 30	\$1 00	\$12 00
6-in. pot	6	34 to 36	1 50	18 00

Made-Up Kentia Forsteriana

	In. high	Each
7-in. tub or pot, 4 plants in pot, 36	36	\$2 50
7-in. tub or pot, 4 plants in pot, 36 to 40	36 to 40	3 00
9-in. tub or pot, 4 plants in tub, 42 to 48	42 to 48	5 00
9-in. tub, 4 plants in tub, 4 ft. high, heavy	4 ft.	6 00

ARECA LUTESCENS

	In. high	Each
6-in. pot, 3 plants in pot, 26 to 28	26 to 28	\$1 00
7-in. pot, 3 plants in pot, 30 to 32	30 to 32	\$1 00
8-in. pot, 3 plants in pot, 36	36	\$2 50
8-in. pot, 3 plants in pot, 42	42	\$3 00

COCOS WEDDELIANA

	In. high	Per 100
2 1-2 in. pot	8 to 10	\$10 00
2 1-2 in. pot	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz	Per 100
5-in. pot	6 to 7	18	\$6 00	\$50 00	
6-in. pot	6 to 7	22 to 24	\$1 00	12 00	
6-in. pot	6 to 7	24 to 26	1 25	15 00	
6-in. pot	6 to 7	26 to 28	1 50	18 00	
7-in. tub or pot	6 to 7	34 to 36	2 50	30 00	
7-in. tub or pot	6 to 7	36 to 38	3 00		
7-in. tub or pot	6 to 7	40 to 45	4 00		

	Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48	very heavy \$5 00
9-in. tub	6 to 7	48 to 54	very heavy 6 00
9-in. tub	6 to 7	5 ft.	very heavy 8 00

CIBOTIUM SCHIEDEI

	Ready Now; Stock Limited.	Each
9-in. tubs	4 to 5 feet spread	\$6 00
9-in. tubs	6 ft. spread	7 50

PHOENIX ROEBELENI

	Each
5-in. pots, nicely characterized	\$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00

"When in Philadelphia, Be Sure to Look Us Up"

Joseph Heacock Co., Wyncote, Pa.

**Railway Station:
Jenkintown**

During 'Recess

New York Florists' Bowling Club.

The New York Florists' Bowling Club has got down to regular Friday evening practice on the new alleys which are very fine and generally satisfactory. The scores will stand a little improvement "already yet." Scores last Friday, average for three games, were as follows:

Manda	157	Berry	109
Fenrich	150	Burns (2 games) ..	98
Scott	139	W. Kessler	95
Smith	126	Flosser	79
Shaw	126	Meikeljohn	73
Moltz	116	Vander Voort	71
McArdle	113	Nugent	67

Chicago Florists' Bowling Club.

At the first game for the season, played on the 28th, the following totals were recorded:

	1st Game.	2nd Game.	3rd Game.
Orchids	752	720	733
Violets	776	738	715
Roses	747	669	694
Carnations	752	720	733

No decisions as to captains have yet been reached.

The question of organizing a Bowling Club will be brought up at the next regular meeting of the Cincinnati Florists' Society, Oct. 10. The bowling committee appointed at the last meeting will submit a good proposition to the members.

Oakville, Conn.—It is rumored that a new florist establishment will soon be started here as a gentleman from out of town has leased a section of land and will erect greenhouses on it. It is said that most of his product will be shipped to New York.

PERSONAL.

Jackson Dawson, of the Arnold Arboretum, Boston, celebrated his 69th birthday on October 5.



JACKSON DAWSON
69 years young.

J. C. Comont, of James Carter & Co., London, Eng., is on his 28th annual trip to the U. S. A. Mr. Comont is one of England's pioneer seedsmen, having been with Carter & Co. for 51 years.

Boston visitors: Charles Keller,

president of the Keller Pottery Co., Norristown, Pa.; F. Gomer Waterer, Bagshot, England; C. W. Hoitt, Nashua, N. H.; John Young, Bedford Hills, N. Y., visiting friends in the trade.

Cincinnati visitors: H. Schmidt, of Oxford, O.; Julius Dilloff, representing Schloss Bros., New York.

Holliston, Mass.—The Eastern Nurseries, H. S. Dawson, manager, have just completed a 100 ft. even-span greenhouse, to be used principally for propagating purposes. This addition was made necessary by the rapidly growing trade for choice hardy ornamental material.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIAM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Irls and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late.	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.	2.00	15.00	
Delachei. Amaranth red.	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers.			
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double.	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose.	1.50	10.00	90.00
La Talipe. Flesh pink, changing to white, with few crimson markings; large globular flower.	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering.	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.	3.50	25.00	
Mme. Crousse. Cream guard; bluish-white centre; tinted violet.	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white.	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.	3.00	20.00	
Victoire Modeste. Blush rose and white.	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Whitleyi. An old-time favorite white cut flower variety.			
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.	.75	5.00	40.00
Double Red. Mixed sorts.	1.00	7.00	60.00
Double Mixed. All colors.	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.	1.00	7.00
Tenuifolia flore plena. Crimson.	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

A FEW SPECIALTIES IN BULBS

NARCISSUS

	Per 100	Per 1000
BICOLOR VICTORIA, selected double-nosed bulbs	1.75	16.00
EMPEROR and EMPRESS. Selected double-nosed bulbs.	1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs.	2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs	2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs	1.00	7.50
PRINCEPS. Selected double-nosed bulbs.	1.25	9.50

TULIPS

	Per 100	Per 1000
KEIZERSKROON	\$1.25	\$10.50
LA REINE	1.00	8.00
ROSE GRISDELIN.	1.00	8.50
ROSE LUISANTE	1.75	14.50
MURILLO	1.25	10.00
COURONNE D'OR	1.75	14.00
SALVATOR ROSA	1.75	14.00
GESNERIANA SPATHULATA	1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs	.75	6.00
FREESIAs, BERMUDA-GROWN. Bulbs $\frac{3}{4}$ to $\frac{1}{2}$ -inch and up in diameter.	.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.		

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, \$17.50 per case; \$45.00 per 1000.
7 to 9 inch, 200 to the case, \$18.00 per case; \$80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELZELI. Fine plants, 2 $\frac{1}{4}$ -inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

Discouraging Estimates on Peas and Beans.

The growers of peas and beans are sending out their preliminary estimates of deliveries, and they are certainly depressing. Scarcely an item up to 50 per cent, and many down to 10 and 12 per cent. Never before in the history of the industry have such deplorably low deliveries been made. So far as we know the seedsmen and canners have not been heard from, probably because the estimates have not been out long enough for them to recover consciousness, and get their paralyzed faculties into working order. They will, however, in time, and then, save us from their wrath. Right here it may be well to say that only one or two estimates have thus far come to our attention, and if more have been issued we have not seen them, therefore there is hope that at least some of the growers may make a better showing than those who have ventured to send out their figures. One of the features of the estimates we have seen is the number of varieties marked as total failures, and several of these are of important and popular varieties.

Enormous Losses to Growers.

Bad as are the estimates submitted, we are convinced that they are the best the growers can do, at least in the few instances we have investigated, and that they are the victims of the whims of old Dame Nature quite beyond their control. We have learned of one instance where the yield of 5000 bushels of Alaskas was but a few hundreds of bushels in excess of the seed planted, and in many others where plantings varying from 20 to 200 bushels were absolute failures, not even the seed being returned. In the majority of such cases the seed grower who furnished the seed gets absolutely nothing back, as the farmer rightfully argues that the entire loss of his crop, representing perhaps a large part of his summer's work, is all he can bear, and in most cases refuses to pay for the seed. Appreciating this fact, one can readily imagine the enormous losses in seed in such a year as this, which at market value represented to the growers a loss of from a few hundreds to many thousands of dollars to each grower according to the quantities planted. At market value the total loss in seed this year will not be less than \$200,000. This is an enormous figure, but it can readily be shown that it is not exaggerated in the least, although to one not familiar with the business it may seem so. Of course it requires no argument to satisfy any thinking man that under such conditions the growers are making no money this year, while on the other hand all have suffered considerable losses, many running into the thousands. They have suffered from a succession of poor crops, culminating in this year well nigh failure, and few of them have made any money for the past four or five years; therefore it would not be surprising if some of them should hoist signals of distress

**WE WANT EVERY FLORIST
TO GROW**

Michell's "Distinctive" Giant Cyclamen

WE OFFER COMMERCIAL COLORS EXCLUSIVELY

CRIMSON.....	100 seeds, \$1.25;	1000 seeds, \$10.00
PURE WHITE.....	" 1.25;	" 10.00
DELICATE SALMON PINK....	" 1.25;	" 10.00
DEEP PINK.....	" 1.25;	" 10.00
WHITE WITH CLARET BASE,	" 1.25;	" 10.00
MIXED, a splendid assortment,	" 1.00;	" 9.00

**ALL ORDERS FILLED FROM SEEDS CROP 1910
SOW IN OCTOBER**

HENRY F. MICHELL CO., 518 & 1018 MARKET ST. PHILADELPHIA

in the not distant future. While the soul of the seedsmen and canner is filled with disappointment and wrath towards the seed grower, let these gentlemen put themselves in the growers' place for a short time, and while they can now see their profits slipping away, the growers see their living going by the board, and "it is less important about the rich man's profits, than the poor man's making a living."

Where Is the Favored Land.

One subject that is engaging the serious attention of the seed growers is when they can hope for reasonable crops year after year. Michigan has been the grave of their hopes, and while Wisconsin has responded more generously heretofore, she has done but little better this year. Canada has generally done better than Michigan, but the heavy duty is practically prohibitive. Dakota has been tried, and the result has been a sad disappointment, and the cry of the grower may well be, "Lord, whither shall I turn." This subject will receive further attention in future issues of HORTICULTURE, but it may be remarked in passing, that while no spot is really ideal, many sections are favored above others, in that average crop returns are much better.

Record Prices.

It has several times been remarked that more high price levels would be reached on peas this year, and there is not a doubt of it. The writer has heard that a prominent canner recently called on one of the leading seedsmen who, by the way, is a heavy grower of peas and beans, and asked for a price on 1000 bushels of Alaska peas. The seedsmen declined to quote a price, but volunteered the opinion that Alaskas would sell as high as \$7 in any quantities procurable before January first next. Many well informed seedsmen are suggesting prices that even a year ago would have been considered absurd and prohibitive—\$6.00 to \$7.00—for Extra Earlies and Alaskas, \$8.00 for Telephones, Alderman and Duke of Albany, \$10.00 for Gradus and Thomas Laxton, \$7.00 for Nott's Excelsior and Am. Wonders, \$6.50 for Gems, \$7.00 for Advancers,

Admirals, Horsfords and Surprise, \$4.00 for Marrowfats, \$6.00 for Champion of England and all other varieties proportionately high. It looks as if some varieties of peas can be offered in quantities not larger than pecks or half bushels by retailers, and green peas will probably be something of a luxury next summer. Where the canners are going to secure enough pea seed to meet their requirements is one of the problems which the future must solve if it is solved at all.

The Aster Seed Crop.

James Vick's Sons report that the aster seed situation is very promising at present and they will undoubtedly have a full crop of very choice seed. The past season has been very favorable. There is in the neighborhood of one hundred acres of asters planted in the vicinity of Rochester annually for seed.

Salinas, Cal.—A seventeen acre nursery has recently been started by the Salinas Nursery Co. O. C. Onken is manager.

Sweet Pea Christmas

	OZ.	LB.
Pink and White	\$.25	\$2.00
Pure White	.25	2.00

George C. Watson

—SEEDSMAN—

Dobson Bldg., 9th and Market Sts.,
Philadelphia

Other varieties of Sweet Peas at usual market prices.

**CAULIFLOWER SEED
CABBAGE**

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

LILIUM CANDIDUM

Extra Bulbs \$5.00 100

WM. ELLIOTT & SONS,
42 Vesey St., New York.

PANSY SEED

Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00
SKIDELSKY & IRWIN CO., 1215 Betz Bldg.,
PHILADELPHIA, PA.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

VEGETABLE PLANTS

CABBAGE—Wakefield and
Succession. Per 100 Per 1000
20c. \$1.00

LETTUCE—Grand Rapids,
Big Boston, Boston Market
and Tennis Ball. 20c. 1.00

PARSLEY— 30c. 1.25

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

In ordering goods please add "I saw
it in HORTICULTURE."

FALL BULB CATALOGUE

If you have not received a
copy send for it.

James Vick's Sons
ROCHESTER, - N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr.	Pkt.
Forget-Me-Not, Victoria for pots,	\$2.50	\$0.35	
Mignonette, Zangen's Triumph,	3.00	.50	
Pansies Special Florists' Mixture,	4.00	.50	
Stocks, Princess Alice, pure white,	3.00	.50	
Beauty of Nice, Carmine, Daybreak,			
Rosy Lilac, Snow White, each separate,	3.00	.50	

O. V. ZANGEN Seedsman - Hoboken N. J.

"BUDS"

76 Barclay Street, New York
Important to Florists and Gardeners

New crop of High Grade Flower Seeds just
arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

CYCLAMEN

NEW CROP

To obtain large flowering plants for
Thanksgiving and Christmas 1911,
seeds should be sown now. For
the florist, our Giant Cyclamen
is unsurpassed.

Giant Crimson, Giant Pink
Giant White Giant Blood Red
Giant Excelsior White with
claret base
Picturatum Pink with
claret base Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.
6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

Thorburn's Bulbs

For Florists for forcing at low prices in
cases only.

Lilium Formosum, 6-8,
350 in case @ \$3.00 per 100

Lilium Formosum, 7-9
250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—

send for prices per 1000

Cold Storage Lily of the Valley pips, best Ger-
man grown. A few left over at \$10.00
per case of 1000, in case lots only.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Guthrie, Okla.—Stewart Goodpasture is now employed by Furrow & Co.

Orrington, Me.—Ralph M. Ryder and Miss Edith Clark were married Sept. 14th.

El Paso, Ill.—C. L. W. Snyder has sold his interest in the El Paso Carnation Co.

Detroit, Mich.—J. F. Sullivan is busy installing an \$800 McCray refrigerator in his store.

Verona, Pa.—J. Weimer & Sons are confining their business to the greenhouses, having given up their store.

Chester, Pa.—The business formerly conducted by J. Crouchen, 1805 West 3rd street, is now run by Harry E. Bloom.

New York, N. Y.—Wertheimer Bros. have added an annex, No. 90 Prince street, to their present quarters which are now too small.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Oct. 14

Atlantic Transport.

Minneapolis, N. Y.-London...Oct. 8

Cunard.

Mauretania, N. Y.-Liverpool...Oct. 12

Carmania, N. Y.-Liverpool...Oct. 15

French.

La Savoie, N. Y.-Havre...Oct. 13

Hamburg American.

Deutschland, N. Y.-Hamburg...Oct. 8

Bluecher, N. Y.-Hamburg...Oct. 12

Holland-American.

Noordam, N. Y.-Rotterdam...Oct. 11

Rotterdam, N. Y.-Rotterdam...Oct. 18

Leyland.

Bohemian, Boston-Liverpool...Oct. 12

North German Lloyd.

Berlin, N. Y.-Mediterranean...Oct. 8

K. W. D. Grosse, N.Y.-Bremen...Oct. 11

P. F. Wilhelm, N. Y.-Bremen...Oct. 13

Red Star.

Lapland, N. Y.-Antwerp...Oct. 8

Kroonland, N. Y.-Antwerp...Oct. 15

White Star.

Celtic, N. Y.-Liverpool...Oct. 8

Majestic, N. Y.-Southampton...Oct. 12

Cedric, N. Y.-Liverpool...Oct. 15

Zeeland, Boston-Liverpool...Oct. 18

Cleveland, Ohio.—In the near future the Ohio Floral Co. will move into a new store, corner of West 25th street and Franklin avenue.

Chester, Pa.—The greenhouses formerly run by David Wilson at 15th street and Edgemont avenue are now conducted by J. F. Scullen.

Taylorville, Ill.—The Taylorville Floral Co. has been sold to Theodore Steffas and will be run with the assistance of his sister. Additional ground has been acquired near Jayne Park, and he expects to have a branch there later.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

WE OPEN THE SEASON with the finest stock of Florists' Supplies ever offered. The goods are all fresh and up to date and the novelties have selling merit.

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO.
1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Fall Openings.

This is opening week at some of the large State street stores and the decorations are a real treat to the lover of harmony and color. Marshall Field's is less elaborate than usual, being simple masses of foliage in light, delicate colorings. A more pretentious decoration is shown at Steven's where the most gorgeous colors are blended in a perfectly harmonious effect. The large white columns of the store had a narrow band encircling them at the bottom and again ten feet above and to these were attached gilded strips of wood one inch square and placed two inches apart. Over these trailed the vines in soft dainty colors relieved by clusters of berries from the woodbine. A feature of the scheme of color was the abundant use of tritoma which was the highest note in each instance, the rich autumn colors leading up to it. Around the balcony where the musicians were stationed and near the entrance were vases of tritoma rising from masses of fall plants in birch wood boxes and from which hung vines. A large number of natural roses was used each day.

Trade Jottings.

E. H. Hunt Co. are taking up the peony roots from their peony farm at

Park Ridge this week and will ship a car load to the west.

The Wienhoeber Co. have everything in readiness for the fall season. With the additional floor space which includes a work room 15 x 18 ft. and a show room 25 x 35 ft. for their pottery of which they make a specialty, they will be in better position than ever to handle their trade.

Mrs. Frank Ben is selling the chrysanthemums of Mathew Evert in the Flower Growers' Market. Mr. Evert will handle them himself as soon as the market is completed. The remodeling of this building has been going on all summer and causes considerable inconvenience to the Flower Growers' Ass'n, but when completed the building will be first-class in every particular.

The opening of a wholesale house in the Atlas Block by the Chicago Carnation Co. makes the ninth firm in this line on the second floor. In this stronghold of the Chicago florists both the basement and the second floor are, with a single exception, in each case occupied by wholesale florists. Across the street is the Fairbanks building, the home of the Flower Grower's Market and within a stone's throw are to be found all the wholesale florists of Chicago, a great convenience to the stranger, as well as to the regular purchaser.

Personal.

Mrs. E. H. Hunt returned from a summer in the east last week.

Adolph Poehlmann is at the State Fair, Springfield, Ill., with an exhibit of roses.

Miss Marie Hayes and Miss Ella C. Schaffer are the latest additions to the office force at E. H. Hunt's and Bassett & Washburn's respectively.

Ernest Farley formerly with Chas. McKellar and now with Bertermann Bros., of Indianapolis, Ind., is spending a few days calling on old friends.

Tim Matchen, for many years at Peter Reinberg's wholesale house and at present its manager, was quietly married last Saturday to Miss Ida Polgram of Portage, Wis. They will reside at 4934 Hayne Ave., Chicago, and have the best wishes of their friends.

Geo. Peiser is now with Paul Blom on North Clark street.

Visitors: J. M. Cole and wife of Peoria, Ill.; Theodore Sackell, St. Paul, Minn.; Milo Crozier, Cedar Rapids, Ia.; John A. Evans, Richmond, Ind.; C. W. Ward, Queens, N. Y.; R. A. Smythe, Benton Harbor, Mich.; Ernest Farley, Indianapolis, Ind.

NEW FLOWER STORES.

Philadelphia, Pa.—Wm. Berger, Germantown.

Philadelphia, Pa.—Joseph Josephs, 1905 Columbia Ave.

San Francisco, Cal.—Serveau Bros., Roschat-Cordes Bldg., Post St.

New York, N. Y.—Turner the florist has leased the store at 625 Madison Ave.

Wheeling, W. Va.—George Basle and George Nixon have gone into partnership here.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tallby.

**NEW ENGLAND
FLOWER DELIVERIES**
Send flower orders for delivery in Boston and all New England promptly
THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

Chrysanthemums

White, Pink and Yellow \$2.00 - \$3.00 per dozen
Very choice flowers for so early in the season.

Bronze Galax

\$7.50 per case

As good as new crop Galax—Try a case.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 4		Oct. 4		Oct. 4		Oct. 6	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	28.00	to 35.00	.....	to 25.00	15.00	to 25.00
" Extra	30.00	to 25.00	30.00	to 25.00	.....	to 20.00	10.00	to 15.00
" No. 1.....	10.00	to 20.00	10.00	to 20.00	12.50	to 15.00	6.00	to 8.00
" Lower grades.....	6.00	to 10.00	5.00	to 10.00	6.00	to 8.00	1.00	to 3.00
Bride, 'Maid, Chateauy, F. & S....	5.00	to 8.00	4.00	to 6.00	6.00	to 8.00	2.00	to 6.00
" Lower grades.....	2.00	to 3.00	2.00	to 4.00	2.00	to 5.00	1.00	to 2.00
Killarney, Richmond, Fan. & Sp....	6.00	to 10.00	5.00	to 8.00	6.00	to 8.00	3.00	to 8.00
" Lower grades.....	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00	1.00	to 2.00
Kaiserin, Maryland, Fan. and Sp....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	3.00	to 8.00
" Lower grades	2.00	to 3.00	3.00	to 6.00	2.00	to 5.00	1.00	to 2.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	3.00	to 4.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
	2.00	to 3.00	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	30.00	to 60.00	60.00	to 75.00	40.00	to 50.00
Lilies, Longiflorum.....	12.00	to 15.00	10.00	to 12.50	12.50	to 15.00	6.00	to 10.00
" Speciosum.....	.....	to .....	.....	to	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Asters.....	1.00	to 2.00	2.00	to 3.00	1.00	to 2.00	.35	to 1.00
Violets.....	.....	to .....	.....	to .....	.....	to .....	.35	to .60
Snopdragon.....	.....	to .....	.....	to .....	.....	to	1.00	to
Gladioli.....	2.00	to 4.00	3.00	to 7.00	.....	to	2.00	to 4.00
Chrysanthemums.....	15.00	to 30.00	12.00	to 18.00	15.00	to 25.00	12.50	to 16.00
Gardenias.....	.....	to .....	.....	to	8.00	to 12.00	20.00	to 25.00
Adiantum.....	.....	to	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	10.00	to 12.00	12.50	to 14.00	12.50	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	45.00	to 60.00	.....	to 50.00	.....	to 50.00
" " & Spen. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. ALWAYS GOOD, FRESH STOCK.

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Flower Market Reports.

BOSTON The very hot weather of the past few days has had a dispiriting effect on the flower trade which up to this time had been remarkably good. Stock is coming in with a rush and garden flowers have taken on fresh courage. All roses are abundant and selling half-heartedly, but carnations are still in short supply and brisk demand, especially the white ones. White chrysanthemums are also scarce and bring a high price. Lily of the valley moves very satisfactorily. Violets are beginning to assert themselves. The doubles are of fair quality for the season, but the singles are poor. Gardenias sell well. Cattleyas are just beginning to come in—not enough yet for normal demand.

CHICAGO The condition of the market is considered as very favorable by the majority of the trade. From the standpoint of the wholesaler this is especially true, the quality of the stock and the demand both bring fully up to the average season. Beauties have reached a stem as long as it is desirable to handle and other roses are in first-class condition. Carnations are now to be had on fairly good stems and bring a price accordingly. Asters are about gone and gladioli will be in a short time. With the coming of the chrysanthemums the market has put on quite a different appearance. The out-of-door flowers, especially the wild ones, and the autumn leaves are not so much in evidence and sweet peas and violets are no longer considered impossible. Lilies are not so plentiful and price a little higher. Green stuff remains about the same; there is enough to be had at a fair price.

The majority of the **CINCINNATI** local retail dealers complained of business being quiet the early part of the past week. Wholesalers reported a good shipping trade, which helped to relieve the market. The latter part of the week found business very good and the demand was heavy, both locally and out of town. Jewish New Year created a flurry in the cut-flower market on Monday of this week and retailers were kept hustling to find the necessary stock. Now that asters are out of the market, the demand reverts back to carnations, which causes a shortage of this flower and prices have advanced accordingly. There is a slight let-up in the supply of Beauties with a healthy demand. The receipts of other roses are still on the increase. Long-stemmed grades are moving very brisk, while the call for shorter grades is also better. Cosmos is still a short item and many more could be sold. Lilium longiflorum and lily of the valley are good property. Gladioli and tuberoses have made their bow for the season. White and yellow chrysanthemums have made their debut and sell readily at \$2.50 per doz. Green goods in ample supply.

The market was not so good last week, owing to the warm weather and the retailers say that trade fell off considerable during the warm days. There are a few large sized orders for weddings for this month, when the

TYING TAPE SPECIAL

A new Pennock-Meehan introduction for tying boxes and packages.

It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1,000 YARD SPOOL, \$1.75

Stock Colors: Foliage green, violet, red, light blue and white.

We can furnish special colors to match any color box on three week's notice.

Tape Reels or Holders

Gun metal and nickel plated; an elegant counter requisite. \$1.50 EACH



S. S. PENNOCK-MEEHAN COMPANY

1608 to 1620 LUDLOW STREET

THE Wholesale Florists of PHILADELPHIA

NEW YORK: 109 West 28th Street

WASHINGTON: 1212 New York Avenue

Exclusive Florist Ribbons and Supplies

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 4		Oct. 4		Oct. 4		Oct. 4	
ROSES								
Am. Beauty, Fan. and Sp.....	15.00	to 25.00	30.00	to 35.00	20.00	to 25.00	15.00	to 20.00
“ Extra	10.00	to 15.00	24.00	to 30.00	15.00	to 20.00	10.00	to 15.00
“ No. 1.....	5.00	to 8.00	18.00	to 22.00	7.00	to 10.00	6.00	to 8.00
“ Lower grades.....	2.00	to 5.00	4.00	to 15.00	4.00	to 6.00	.....	to 4.00
Bride, 'Maid, Chateaux, F. & S....	3.00	to 5.00	5.00	to 7.00	7.00	to 8.00	6.00	to 8.00
“ Low gr.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.	3.00	to 5.00	5.00	to 7.00	7.00	to 8.00	6.00	to 8.00
“ Lower grades.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Maryland, Fan. and Sp.	3.00	to 5.00	5.00	to 8.00	3.00	to 8.00	6.00	to 8.00
“ Lower grades.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy								
“ Ordinary .....	.....	to 2.00	2.00	to 3.00	2.00	to 2.50	.....	to 2.00
“ .....	.....	to 1.00	1.50	to 2.00	1.00	to 2.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	.....	to	50.00	to 60.00	.....	to
Lilies, Longiflorum.....	10.00	to 12.50	.....	to 15.00	8.00	to 12.00	10.00	to 12.00
“ Speciosum .....	.....	to .....	.....	to	3.00	to 4.00	.....	to
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters .....	.....	to	1.00	to 2.00	.25	to 1.50	.50	to 2.50
Violets .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Snapdragon.....	2.00	to 4.00	.....	to .....	.....	to .....	.....	to
Gladioli	2.00	to 3.00	3.00	to 6.00	.....	to .....	.....	to
Chrysanthemums.....	20.00	to 25.00	12.00	to 25.00	10.00	to 25.00	15.00	to 25.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	.75	to 1.25	1.00	to 1.25
Smilax	12.00	to 15.00	.....	to 15.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	.....	to 35.00	30.00	to 50.00	40.00	to 60.00	30.00	to 50.00
“ “ & Spren. (100 bchs.)	.....	to 20.00	30.00	to 50.00	35.00	to 50.00	30.00	to 50.00

social season is expected to open. A nice lot of stock is coming in at the wholesale market and the demand seems good as it is short in almost everything except roses which are plentiful. Prices run about as usual at this time of the year. Roses from \$3 to \$8 per 100; Beauties, \$3 to \$4 per dozen, for fancy long; carnations from 50c. to \$3; lily of the valley, very fine, \$4; cosmos, \$1; lilies, \$10 to \$15. A few violets are coming in now. Most of the outdoor stock is about over for

this season. White and yellow chrysanthemums are coming in, 15 to 25 cents each the price. Asparagus and smilax had a good call.

(Continued on page 514)

Detroit.—A very busy week has just passed; with beautiful fall weather and increasing supply we have a good outlook for next week. Chrysanthemums hereabouts are late and it will be fully two weeks before any considerable number are being cut.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463
D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARNENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Oct. 1 1910		First Half of Week beginning Oct. 3 1910	
American Beauty, Fancy and Special.....	12.00	to 25.00	25.00	to 35.00
" " Extra.....	8.00	to 10.00	15.00	to 20.00
" " No. 1.....	3.00	to 8.00	10.00	to 15.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 6.00
Bride, 'Maid, Chateaux, Fancy and Special.....	2.00	to 4.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	1.00	to 2.00
Killarney, Richmond, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 3.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
SUCCESSORS TO A. J. CUTTMAN
WHOLESALE FLORISTS 34 West 28th Street, New York
Telephones {1664} Madison Square {1665}
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. {1519} Madison Square {5863} 113 W. 28 St., New York.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
Commission Dealers in
Choice Cut Flowers
54 West 28 St., NEW YORK
Prompt Payments Telephone 3559 Madison Sq.

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in

Glassware Decorative Greens and Florists' Recruits

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply Houses

Flower Market Reports

(Continued from page 513)

The condition of the
NEW YORK flower market this
week is very good,

owing largely to the Jewish holidays, which call for the use of large quantities of material. Prices have held up well for the first half of the week, but are expected to take a tumble during the latter half. Chrysanthemums are becoming more abundant and sell for a wide variety of prices according to color and quality. Roses have been doing satisfactorily, particularly Beauties. Cattleys coming in freely. Lilies have increased in quantity, but bring fair average returns.

PHILADELPHIA

The cooler weather at the end of last week had a

good effect on the general tone of the market, which continued to show gradual improvement. This section has not suffered so much from drought as the rest of the country apparently, as we had lots of rain in August and quite some in September—in marked contrast to the reports from other sections. Dahlias are still very much in evidence and will continue so until frost; unless dry weather knocks them out. Chrysanthemums are coming along more freely—Opal, Polly Rose, and October Frost among the whites—Montemort among the pinks, and Pacific almost ready. Golden Glow is over and there is no other good yellow at hand for the minute. A remarkable feature of last week's market was the shortness of American Beauty roses and lily of the valley. No one seems to have a good crop of Beauty just now, and there appears to be an extra demand for lily of the valley. The latter is reported plentiful enough in other sections—so that there is no likelihood of any advance in prices. There is quite a marked improvement in pink Killarney roses—and Maryland is also good. Among the white roses the situation has distinctly improved. Kaiserin is on the short side, and Bride and White Killarney are both selling well. Carnations are on the upward grade and prices advance with the quality. Orchids are plentiful, with prices in buyers' favor.

Aurora, Ill.—Work has been begun on the new city greenhouse at Phillips Park, which has been previously reported. It is expected that it will cost about \$1500. John C. Moninger Co. material is used.

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Oct. 1 1910		First Half of Week beginning Oct. 3 1910	
Cattleys.....	40.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum.....	6.00	to 8.00	7.00	to 8.00
" Speciosum.....	1.00	to 2.00	2.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	2.00	to 4.00
Asters.....	.20	to 1.50	.20	to 1.50
Daisies.....	.25	to .50	.25	to .50
Snappedragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	1.00	to 2.00	1.00	to 2.00
Chrysanthemums.....	8.00	to 25.00	12.00	to 25.00
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" & Spreng (100 bchs).....	10.00	to 20.00	10.00	to 25.00

PHILADELPHIA NOTES.

An old familiar face appeared again in wholesale centers last week. Ralph Shrigley is now with Edward Reid, the Ranstead street wholesaler.

Mrs. James McKay, wife of the old-time Kensington florist, James McKay, on North 2nd street, has just returned from a trip to the old country. Fine time. Thank you.

Five carloads of decorating materials were sent over to New York for the Gimbel opening by the Habermehls. Wm. Graham had charge of the operation. It is reported here that the sales of the big store the first day were over \$250,000. That's going some!

W. E. McKissick, senior partner of the late firm of wholesale florists trading under the name of W. E. McKissick & Bros., which as announced recently in HORTICULTURE, was discontinued by mutual consent Sept. 8th, has joined forces with the Pennock-Meehan Company and will have charge of the Washington end of their business. Mr. McKissick has been in the commission cut flower field for some 15 or 20 years, and is an able, energetic and genial business man. He has a most charming personality, and we feel sure will make things hum in his new field of endeavor.

Visitors: Will and Adolphus Gude, Washington, D. C.; E. Zieger, Pittsburgh, Pa.; D. Gorman, Williamsport, Pa.; Mr. and Mrs. Mills, Jacksonville, Fla.

INCORPORATED.

Helena, Mont.—Broadwater County Nursery, capital stock \$5,000. C. M. Baskins, G. D. Cloyd and G. E. Poole, incorporators.

Chatham, N. J.—Badgley, Reidel & Meyer, capital stock \$20,000. Incorporators, Wm. G. Badgley, Chatham; Henry C. Reidel, New York; Wm. V. Mulford, Newark.

A NOTABLE SALE.

The sale of the James Weirs Sons property at Brooklyn, N. Y., which is announced to take place on October 19th, as per advertisement of Wm. Elliott & Sons in this paper, will undoubtedly bring together a large and interested throng of trade buyers. No florist concern is better known than this old and highly respected firm and their decision to close out their business will come as a surprise to many.

NEWS NOTES.

Pittsburgh, Pa.—The Elliott Nursery Co. is preparing to establish a seed department.

Wilkesbarre, Pa.—John Maddern, the Newport street florist, is suffering from typhoid fever.

Troy, N. Y.—It is reported that the Abraham Greenhouse Co. on King street is in bankruptcy.

Galax and LeucothoeQuality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.**Books Balanced and Adjusted**

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 54.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ACHILLEA

Achillea, The Pearl, field grown clumps, \$2.50 per 100, \$20.00 per 1000. Wagner Park Conservatories, Sidney, Ohio.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

AMPELOPSIS.

Ampelopsis Veitchii, 2½-in., fine stock \$5.00 per 100. Wagner Park Conservatories, Sidney, Ohio.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengeri, 2, 3 and 4 in., \$1.50, \$3.00 and \$5.00 per 100. H. Klahr, Schoharie, N. Y.

Asparagus Sprengeri, 3 in., 4c.; 4 in., 5c. Strong, bushy stock. Luther Maynard, R. 13, Knoxville, Tenn.

Asparagus Sprengeri, strong, thrifty 4-in., \$8.00 per 100. M. M. Lathrop, Cortland, N. Y.

AUCTION SALES

Fruit Auction Co., New York, N. Y.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. **Julius Roehrs**, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. **Lord & Burnham**, 1123 Broadway, N. Y.

Kreesechell Bros. Co., 486 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. **C. S. Harrison**, York, Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. **Julius Roehrs Co.**, Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. **Lord & Burnham Co.**, 1123 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 38 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
Superior Bulbs.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
CANNAS—Best sorts, big stock. Send for list. **C. Betscher**, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
For page see List of Advertisers.
Carnation Plants—Field grown, fine Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, \$5.00 per 100 for cash with order. **M. J. Schaaf**, Dansville, N. Y.
Field-grown carnation plants.
Enchantress \$6.00 100 \$50.00 1000
Winona 6.00 100 50.00 1000
Aristocrat 4.00 100 35.00 1000
Des Plaines Floral Co., Des Plaines, Ill.

CARNATIONS—Continued

First-class field plants, Boston Market and Lawson Enchantress, \$3.50 and \$4.00 per 100. Order quick. **A. W. Meyer**, South Holland, Illinois.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. **I. L. Pillsbury**, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co.**, Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen seedlings, mixed colors of choice varieties, \$1.50 per 100. **H. Klahr**, Schoharie, N. Y.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.
Herbert, Acton, N. J.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
DAHLIA—Big stock, big clumps, best sorts. **C. Betscher**, Canal Dover, O.

DAISIES

Queen Alexandra Daisies from 2 in. pots, \$2.00 per 100. Cash. **E. O. Perry**, Berlin, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.
Anton Schultheis, College Point, L. I., N. Y.

DRACAENAS

1000 Dracena Indivisa, strong plants from field 10c., 15c., 20c. Boston Ferns, 6 inch 30c., 7 inch 75c. Whittmanii, 5 inch 30c., 7 inch 75c. Elegantisima, 5 inch 30c., 7 inch 75c. Ferns for dishes \$3.00 per 100. **Bannister Bros.**, Syracuse, N. Y.

For List of Advertisers See Page 520

DRACAENAS—Continued

Dracaena indivisa, fine strong plants, 2 in. pots, \$2.00 per 100. Cash. F. A. Albrecht, Jr., 90 Vanderveer St., Brooklyn, N. Y.

Dracaena indivisa, transplanted, 12-in. high, \$1.00 per 100. M. M. Lathrop, Cortland, N. Y.

1000 *Dracaena Indivisa*. Strong field-grown plants, heavy, 10, 15, 20c. Cash with order. F. S. Follwell, Pittsfield, Mass.

To Exchange—300 *Dracaena indivisa*, fine, heavy, field-grown, for primulas, cyclamen, begonias or other blooming plants. Wilfrid Wheeler, Concord, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
For page see List of Advertisers.

FANCY BASKETS

The Radeln Basket Co., Chicago, Ill.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Bench Boston Ferns, strong, clean, healthy stock, for 4 and 5 in. pots \$10.00 per 100, cash. F. Sokol, Worcester, Mass.

Nephrolepis Whitmanii, Superbissima, Schoelzeli and Scotti, 5 in. pot plants, \$4.50 per doz., \$35.00 per 100.

The Storrs & Harrison Co., Painesville, O.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

FLORISTS SUPPLIES—Continued

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FORGET-ME-NOTS

Winter flowering forget-me-nots, made from cuttings, fine plants, 3-in. pots, \$3.00 per 100. Cash with order. R. Pritchard, 6th and Flushing Aves., Astoria, L. I. City, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

Geraniums, rooted cuttings of Nutt, Buchner, Grant, Poitevine, Perkins, Viald, Hill, \$10.00 per 1000. M. M. Lathrop, Cortland, N. Y.

Geraniums, rooted cuttings of Riccard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parahelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass, Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.

For page see List of Advertisers

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREVILLEA

Grevillea robusta—Strong, 2½ in. pots, \$4.00 per 100. Chas. Lenker, Freeport, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America, J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HARDY PERENNIALS

A. Hirscheleber, Riverside, N. J.

HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1123 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- 10,000 Hydrangea Otaksa, pot grown, 3 in., 1 crown, \$5.00 per 100; 4 in., 2 to 6 crowns, \$10.00 per 100; 7 in., 8 to 12 crowns, \$35.00 per 100; 9 in., about 20 crowns, 50c. each. Cash. F. Sokol, College St., Worcester, Mass.

INSECTICIDES.

- Nicotie kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphne Manufacturing Co., Madison, N. J.
Aphne.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- Iris Germanica, honorabilis, atropurpurea, Mme. Chereau, Queen of Gypsies, spectabilis, Virgil's, Walneri; field-grown, \$2.50 per 100, \$25.00 per 1000. Japanese, mixed, \$6.00 per 100. Wagner Park Conservatories, Sidney, Ohio.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

- Jerusalem Cherries, pot grown, loaded with berries, 4 in., \$10.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LAND LEVELS

- Bostrom-Brady Mfg. Co., Atlanta, Ga.
For page see List of Advertisers.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers

LEUCOTHOE

- J. L. Banner, Montezuma, N. O.
For page see List of Advertisers.

LILIUM CANDIDUM

- Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

LILIUM FORMOSUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

- 20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. E. W. Platter, Carbondale, Ill.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Daniel A. Clarke, Flskeville, R. I.
For page see List of Advertisers.
- C. R. Burr & Co., Manchester, Conn.
Carolina and Lombard Popular.
For page see List of Advertisers.
- Manual of the Trees of North America by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co. 11 Hamilton Place, Boston.

- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. 'White' Cattleyas and 'Choice' Cyripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1123 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

PALMS—Continued

- Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

PANSIES

- 20 varieties of giant flowering pansies, in separate colors or mixed, \$2.50 per 1000. Chas. E. Sharp, Mt. Vernon, Ohio.

PANSY SEED

- Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

- Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

- H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.
- Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfeld, West Point, Neb.

PERENNIALS

- EXTREMES MEET!
MINIMUM COST. MAXIMUM QUALITY.
This is demonstrated fully in our 1910 catalogue of
PERENNIALS AND OTHER
HARDY PLANTS
which we grow exclusively by the acre.
Free for the asking.
PALISADES NURSERIES, INC.,
SPARKILL, NEW YORK.

PHLOX

- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

PHOTOGRAPHS

- I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1123 Broadway, N. Y.

PLANT STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids Iowa

POINSETTIAS

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- Poinsettias, strong plants, 2½ in. \$5.00 per 100, cash. F. Sokol, Worcester, Mass.

PRIMULAS

Frank Oechslein, 4911 Quincy Street,
Chicago.

For page see List of Advertisers.

BLAZING TORCH, finest novelty in Chinese primroses. The most dazzling intense scarlet, large flowering fringed; even the roots are the color of beet roots, which is unlike other variety. Strong plants, ready for 4-in. pots, \$7.00 per 100. Stock limited. John F. Rupp, Shiremanstown, Pa.

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O.

Primroses, strong 3 in., \$5.00 per 100. Yellow Kewensis, strong 2 in., \$3.00 per 100. H. Klahr, Schoharie, N. Y.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

PUBLICATION

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

The Rose by H. B. Ellwanger, mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Brasilian Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Roddington, New York
Christmas Flowering Sweet Peas.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

SEEDS—Continued

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 38 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

George C. Watson, Philadelphia, Pa.
Sweet Pea Christmas.
For page see List of Advertisers.

SMILAX

J. Newman & Sons, Boston, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-rolling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINOAS

Vinca variegata, field-grown, \$5.00 per 100. Stevia, 5 in. pots, \$6.00 per 100. Or. will exchange for Boston Violets, or any desirable stock. Charles H. Green, Spencer, Mass.

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Violets—Princess of Wales, healthy, field-grown, \$50.00 per 1000. Chas. Lenker, Freeport, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Helton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 28-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100. The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

**WHOLESALE FLORISTS—
Boston—Continued**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoehrer Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Poehmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManna, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. E. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 28th St.,
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Sinn, 55 and 57 West 28th St., N. Y.
For page see List of Advertisers.

Frank Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1206 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1606-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/4 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

ST. LOUIS NOTES.

Wm. Bouche, one of the best landscape gardeners about here is traveling in the east looking over landscape work.

Ostertag Bros. had a few large decorations last week for downtown openings. The Greenfelder Bros. was the largest, costing \$800.

H. C. Irish, superintendent of the Missouri Botanical Garden, is back from a trip to St. Paul where he attended the Conservation meeting.

L. P. Jensen, gardener for the Busch place, has written a fine article on Lawn Making in Bulletin No. 10, which is issued by the Missouri State Board of Horticulture.

The Florist Club will hold its regular monthly meeting on Thursday afternoon, Oct. 13th. Secretary Beneke says watch for the special notice in the monthly Florists' Bulletin which comes out Oct. 11th.

Robert F. Tesson, at one time in the floral business, made a trip recently to Texas. Robert now operates a large farm in St. Louis County and reports that a recent hail storm did a lot of damage at his place.

C. Young & Sons Co. have had a big force at work decorating the hall in the Coliseum for the Veiled Prophets ball for Tuesday, Oct. 4th. Besides several dozen wagon loads of plants, 1000 Beauties were used.

The Retail Florist Association, of St. Louis, held its regular monthly meeting on Monday night, Oct. 3, in the K. of C. Hall. The meeting was well attended and many important matters came before it for discussion.

Gustave Gross, brother of Hugo and Rudolph Gross, has just completed three new houses, 32 x 100, which will be planted in violets, carnations and sweet peas. His consignments will be sent to the W. C. Smith Wholesale Floral Co., who have the majority of the Kirkwood growers' consignments.

Visitors: Julius Dillhof, representing Schloss Bros., New York; Ed. J. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia; M. F. Widmer, Highland, Ill.; W. J. Vesey, Jr., Fort Wayne, Ind.; Parker T. Barnes, Harrisburg, Pa.

The New York horticultural importers get in some peculiar shipments at times. One from Europe recently, consisted of 215 bags of garden soil for rhododendron growing. On the other hand a shipment from this side to Europe was a consignment of 300,000 galax leaves.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Shimp & Walter Co. 50 Barclay St.
New York.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

INSECTICIDE AND FUNGICIDE
REGULATIONS OF U. S. DEPT.
OF AGRICULTURE.

At a public hearing on October 20, 1910, manufacturers and vendors of insecticides and fungicides will have an opportunity to present their views concerning the regulations that are to be promulgated for the enforcement of the new "insecticide law." The hearing will be held in the room assigned to the "food board" at the Bureau of Chemistry, Washington, D. C. The new law, approved April 26, 1910, is similar in form and substance to the Food and Drugs Act, and forbids the adulteration or misbranding of insecticides and fungicides that pass in interstate commerce. A committee appointed by the Secretaries of the Treasury, Commerce and Labor, and Agriculture will draw up the regulations. The committee is composed of R. E. Cabell, Commissioner of Internal Revenue; Chas. Earl, Solicitor of the Department of Commerce and Labor, and Geo. P. McCabe, Solicitor of the Department of Agriculture. The latter is chairman of the committee.

**NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID**
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

**Cattle Manure in Bags
Shredded or Pulverized**

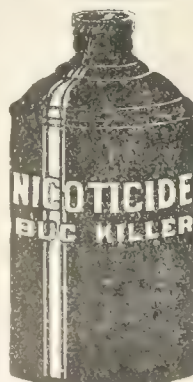


Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

In ordering goods please add I "saw
it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

GREENHOUSES BUILDING OR CON-
TEMPLATED.

Philadelphia, Pa.—John Frasc, one house.

Johnstown, N. Y.—C. E. Schroeder, addition.

Charlottesville, Pa.—Joseph Haube, range of houses.

Watertown, Mass.—John T. Howell, one house.

Philadelphia, Pa.—Paxon V. James, one house.

St. Louis, Mo.—Beutel & Frederick, one house.

Yonkers, N. Y.—Wm. B. Thompson, one house.

Portland, Ore.—Ainsworth Sisters, one house.

Providence, R. I.—Wm. Goddard, one house.

Yonkers, N. Y.—G. H. Stuber, house 20 x 85 feet.

Guthrie, Okla.—Furrow & Co., house 27 x 300 feet.

Cedar Falls, Ia.—Joseph Bancroft & Son, addition.

Denver, Colo.—W. C. Walter, greenhouse and office.

Loveland, Ohio.—Theo. H. Harcourt, range of houses.

Baltimore, Md.—F. Reitz, sweet pea house 20 x 90 feet.

Elmhurst, Cal.—Wendland & Keimel, range of houses.

Chicago, Ill.—H. Radke, house 17 x 100 feet, Foley Mfg. Co., material.

Berkeley, Cal.—H. H. Lilienthal, two propagating houses each 25 x 50 feet.

Salinas, Cal.—Salinas Nursery Co., two propagating houses each 24 x 100 feet.

Potsdam, N. Y.—Perrin Bros., house 21 x 100 feet; boiler room, work room and office.

Council Bluffs, Ia.—One of the important items among the year's building records is the improvements and extensions of the floral establishments here. Accurate figures are not as yet available as some of the work is unfinished, but rough estimates, however, place it at not less than from \$35,000 to \$40,000 before the end

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS

Sharp, Partridge & Co.,

2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

'GREENHOUSE GLASS'

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

of the season. J. F. Wilcox has confined his operations this year to extension of his glass area at an expenditure of about \$10,000 which gives him 650,000 square feet under glass. F. L. Lainson has added to his area from 35,000 to 40,000 feet, giving him a total of about 100,000 square feet, which has cost him about \$12,000. His boilers have been dismantled and a new one installed. Henry Meyer has torn down his greenhouses and is rebuilding and enlarging them. His improvements will consist chiefly in modernizing the entire plant. The work is at present unfinished, but a rough estimate places the cost at several thousand dollars. Thomas Capel has built a new boiler room and installed a new boiler besides adding largely to his area under glass. \$5,000 will be expended upon this, he estimates. L. H. Reams, at a cost of several thousand dollars, has enlarged and improved his plant. Herman Bros. have been extending their greenhouses for several years but this year have done little, as the plant has been brought up to the point where it is ample to meet the demands from their trade. Further extensions, however, are expected to be made next year.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2in. pots in crate	\$4.88	144 6in. pots in crate	\$3.26
1500 2 1/4 " "	5.25	120 7 " "	4.20
1500 2 1/2 " "	6.00	60 8 " "	3.00
1000 3 " "	5.00	HAND MADE	
800 3 1/2 " "	5.80	48 9in. pots in crate	\$3.60
500 4 " "	4.00	48 10 " "	4.80
450 4 1/2 " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5 1/2 " "	3.78	12 14 " "	4.80
		6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent. off for cash with order. Address Hillinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our

Florist' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

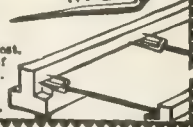
Washington, D. C.

Holds Glass Firmly

See the Point AT
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DEER,
114 Chestnut St., Phila., Pa.

FULL SIZE
No. 2

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington
Saves time and insures better service
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

KROESCHELL HOT WATER BOILERS

ORDER NOW

TELEGRAPH AT OUR EXPENSE

This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

Send for catalogue

WILL SHIP WHEN WANTED

KROESCHELL BROS. CO.

466 West Erie St., CHICAGO, ILL.

PAY AFTER BOILER REACHES YOU

Greenhouse Construction

WINDSTORMS AND SNOW HAVE NO TERRORS WHEN YOU HAVE GREENHOUSES OF THE KING TYPE. WE HAVE ALL KINDS—SEMI-IRON, IRON FRAME AND CHANNEL BAR CONSTRUCTION FOR PRIVATE WORK.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE
Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



THERE are Times, You
Know, When Price is
Not the Only Factor
in Landing a Job

Every once in a while a man realizes that it's good business to **spend money to save money**. There is much to be said strongly in favor of a repair free house like these iron frame ones of ours are. Write to us.

Hitchings & Company
1170 BROADWAY NEW YORK



Indestructible Bench
Cast Iron



This is one section of the bench. Photo above illustrates it in use. Our circular shows and tells all about it from A to Z. It's the bench of benches.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

OCTOBER 15, 1910

No. 16



LANDSCAPE EFFECT CONSIDERED IN GREENHOUSE CONSTRUCTION

Pierson U-Bar Company, Builders.

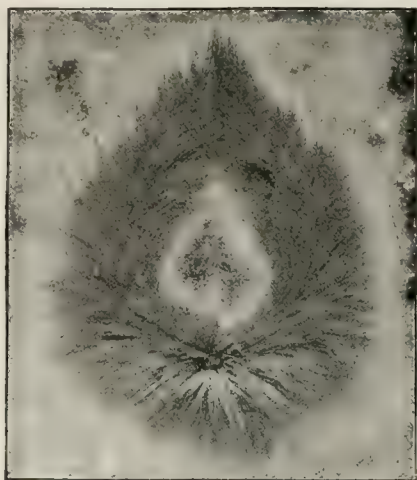
*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US

LET'S KNOW U

WHEAT WREATHS



Do U know how GOOD and APPROPRIATE our CRESCENT WHEAT WREATHS are for funeral purposes. In connection with fresh flowers and our CELEBRATED PREPARED PALM LEAVES—they give satisfaction wherever used. That means by the best trade.

**Try Them, U Will Want More
RICE STANDARD**

SIZES:	20	24	28 inch
PRICE:	\$1.00	\$1.50	\$2.00 piece

ASK FOR KATALOG

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Importers — Manufacturers — Originators

1220 Race Street,

PHILADELPHIA, PA.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa, Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2 1/4 inch \$30.00 per 1000,

WHITMANI, 2 1/4 inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

GERANIUMS

We have an immense stock ready for shipment from 3 in. pots at \$3 00 per 100 in a good assortment including such varieties as Alph. Ricard, S. A. Nutt, Berthe de Presilly, Jean Oberle, Mme. Buchner, Mme. Landry, etc. Are booking orders for November delivery from 2 in. pots at \$2.00 per 100, \$18.50 per 1000.

COLEUS

Brilliancy. One of the handsomest of the large leaf variety, soft red-bordered bright yellow, strong 3 in. pots, \$1.00 per doz., \$4.00 per 100.

Coleus, in standard sorts,.....	2 in.	\$2.00 per 100.	3 in.	\$3 00 per 100	Lemon Verbenas,.....	2 in.	\$2.00 per 100	3 in.	\$3.00 per 100
Swainsona, Alba,	2.00	"	3.00	"	Lantanas, Assorted.....	2.00	"	3.00	"
Alyssum, Giant Double.....	2.00	"							

R. VINCENT, JR. & SONS CO., White Marsh, Md.

BARGAINS

We want the room and will sell this stock at the following sacrifice prices. The clumps are immense and worth 50 cents to anyone who can use them. Prices are f. o. b.

SPEAK QUICK

5,000 Asparagus Sprengeri.....	10 cts.
2,000 " " 2½-in.	3 "
3,000 Asparagus Plumosus Nanus, bench plants, clumps.....	15 "
1,000 Smilax, 2½-in.	3 "
3,000 Maiden Hair Ferns, bench plants, clumps.....	15 "
Extra fine Boston Ferns, from bench, clumps.....	15 "
2,000 Boston Ferns, 2½-in.	3 "

Heller Bros. Co.
New Castle, Ind.

VIOLET PLANTS

Field grown clumps of Gov. Herrick at \$6.00 per hundred, \$50.00 per thousand. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS
Price list on application.

A. LEUTHY & CO.
Perkins Street Nurseries. Roslindale, — Boston, Mass.

FERNS FOR DISHES
Assorted varieties, 2 in. pots, \$3.50 100; \$37.00 1000.

CHINESE PRIMROSES
Best strain, 2½ in. pots, \$3 per 100, \$25 per 1000. Cash with order.

FRANK OECHSLIN
4911 Quincy St., - CHICAGO, ILL.

ROEHRS

ORCHIDS, AZALEAS, PALMS, LORRAINES, CROTONS

RUTHERFORD, N. J.

GERANIUMS ROOTED CUTTINGS
Ricard, Poitevine, S. A. Nutt, Buchner.. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

LILIUM MULTIFLORUM

FOR IMMEDIATE SHIPMENT FROM NEW YORK

Multiflorum 7/9 (300 and 240 per case) @	\$45.00 per 1000
" 8/10 (200 " ")	" 70.00 " "
" 9/10 (168 and 200 " ")	" 80.00 " "

FOR LATER SHIPMENT

Giganteum 7/9 (300 per case)	
" 8/10 (250 " ")	Prices on application.
" 9/10 (200 " ")	

Letter received today says "Your lilies have given the greatest satisfaction." (Name and address on application).

McHUTCHISON & CO., 17 Murray St., NEW YORK

Business Announcement

The Chicago Carnation Co., of Joliet, Ill., has opened a whole-sale store at 35 Randolph St., room 203. All business of the firm will be transacted here. The store will be under the personal charge of A. T. Pyfer, the manager, and Will Starrett, formerly with J. B. Opitz and son of John Starrett, a veteran in the trade.

Old Customers and new will be welcome

CHICAGO CARNATION CO,
A. T. Pyfer, Mgr.

LORRAINE BEGONIAS

3½ in. pots.....	\$30.00 per 100
5 " "	50.00 "

CYCLAMENS

3½ in. pots.....	\$20.00 per 100
5 " "	50.00 "

THOMAS ROLAND, Nahant, Mass.

BEGONIAS GLOIRE DE LORRAINE

3-inch pots.....	per 100.	per 1,000.
4 " "	\$20.00	\$160.00
	30.00	250.00

GARDENIAS

3-inch pots, \$15.00 per 100.	
4 " "	25.00 "
5 in. pots, \$5.00 per doz., \$35.00 per 100	
6 " "	\$8.00 and \$9.00 per doz.

BOSTON FERNS

.85, .50, .75 and \$1.00 each.
A. N. PIERSON, Inc., Cromwell, Conn.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

CARNATIONS

Fine healthy, field-grown.

	Per 100
400 Enchantress.....	@ \$8.00
100 Boston Market	@ 7.00
Patten and Queen.....	@ 7.00
Pres. Seelye.....	@ 6.00
300 Harlowarden.....	@ 6.00
Var. Lawson.....	@ 6.00

ROSES

Own root, fine stock, 3 inch pots.

	Per 100
Perle and Sunset	\$8.00
Bride, Bride,maid, Golden Gate, Kaiserin.....	6.00

Wood Brothers
FISHKILL, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SPECIAL PRICES.

CALIFORNIA PRIVET.

	Per 100	Per 1000
3 to 4 ft., extra heavy.	\$4.00	\$35.00
2 to 3 ft., extra heavy.	8.00	25.00

BERBERRY THUNBERGII.

	Per 100	Per 1000
18 to 24 in.	\$10.00	\$80.00
12 to 18 in.	8.00	60.00

CAROLINA POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

LOMBARD POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.,
The Burr Nurseries,
Manchester, - Conn

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Woburn Hgts.
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Trees, Shrubs, Vines and Herbaceous Perennials

of excellent quality
at moderate cost

My Catalog is yours for the asking

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - R. I.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
REDFORD, MASS.

ROSES

A SPECIALTY
The Dingee & Conard Co. West Grove
PA.

LANDSCAPE ARCHITECTURE

A QUARTERLY

50 cents an issue. 2 dollars a year

Official Organ of the American Society of Landscape Architects.

Devoted to the interests of the profession. It will contain authoritative articles on CITY PLANNING, PARKS, GARDENS, PLANTING and all subjects appertaining to the art of Landscape Architecture.

Published and edited by CHARLES DOWNING LAY, HENRY VINCENT HUBBARD and ROBERT WHEELWRIGHT, at 103 Park Ave., New York City.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

Midsummer Flowering Shrubs

Although a large number of our most beautiful shrubs are seen to the best advantage during the first six months of the year there is also quite a large variety which is capable of beautifying our gardens from the end of June until the fall, and much more advantage might be taken of these than is the case at the present time. Landscape gardeners and those who are responsible for the planting of public and private grounds could use these later-flowering shrubs to great advantage as they come at a season when flowering material is most fully appreciated in the hardy garden but when it is most conspicuous by its absence.

Although there are quite a number of beautiful hydrangeas the ubiquitous *Hydrangea paniculata grandiflora* seems to be almost the only one known by the general public, and though a beautiful shrub it is to be hoped that greater variety will be required in the near future. This variety needs hard pruning back to the old wood every year, but the typical *H. paniculata* from Japan does not need such severe treatment. It bears numerous upright corymbs of flowers, of which sufficient are sterile to make the plant conspicuous, during August and September.

Hydrangea arborescens grandiflora, a native of the Eastern and Central U. S., is destined to become a very popular shrub here and in Europe it is already a general favorite. In this locality it grows from three to four feet high and produces immense heads of sterile white flowers on straight stems which need cutting down annually. An established plant will produce fully two hundred heads of flowers which last in good condition a long time. *H. quercifolia*, from the Southern United States, is desirable on account of its handsome foliage, the individual leaves being eight inches long by six in width, and it also produces conspicuous corymbs of fertile and sterile flowers. *H. paniculata tardiva* from Japan is an uncommon but handsome variety with a large proportion of sterile blossoms. The corymbs are produced very freely and it makes a good-sized symmetrical bush.

Amorpha canescens, the Lead Plant, from the middle west United States is a distinct and pretty shrub unlike anything else we have. It makes a spreading bush about six feet high and the pinnate leaves and stems are clothed with a dense, white tomentum which makes a pleasing contrast with the purple flowers with golden anthers produced in terminal panicles. This is a very attractive shrub remaining long in bloom and well-suited for a very sunny position. *Stephanandra incisa* or *flexuosa*, a native of Japan and Korea, is a pleasing small shrub with an abundance of small creamy white flowers and very pretty foliage. Its congener, *S. Tanakae*, also from Japan, differs in being larger in all its parts and needs to have the old flowering wood removed annually as it sends up new wood from the base very freely.

Cytisus capitatus from Europe and *C. nigricans*, also from the other side, are two pretty yellow-flowered shrubs quite hardy here as one wishes more of this beautiful genus were. The latter is particularly desirable and one of the best bright yellow-flowered shrubs

in existence, the flowers being produced in great profusion on upright slender spikes. It is also one of the very few cytisuses which will bear transplanting successfully. *Genista elata* from S. Europe, is another yellow free-flowering shrub after the style of the well-known *Genista tinctoria*. The white-flowered *Ceanothus Americanus*, a native of the Eastern United States, is too well-known to need description, but it might often be used to advantage in gardens for grouping, especially in uncultivated places. *Ceanothus hybridus* and its variety *flore-plenus* are both pretty dwarf bushes with quantities of pale rose flowers.

The *Spiraeas* are good shrubs for producing a display of flowers when it is most needed and desirable varieties are *S. notha*, pale pink; *S. pachystachys*, pink; *S. Nobleana*, rich rose; *S. expansa*, rich red, very free; *S. Japonica* and *S. Bumalda* Anthony Waterer. The last is a beautiful shrub with deep red flowers. *Holodiscus* (*Spiraea*) *discolor*, from N. W. America, deserves a place in every garden. It will grow ten feet high and in the hottest part of the summer is shrouded in delicate creamy-white racemes of bloom. *Spiraea Aitchisoni*, a somewhat new arrival from Afghanistan, is a strong-growing shrub and will reach a height of eight feet put in good soil. It has ornamental pinnate leaves and an inflorescence of white flowers fully one foot in length. *Sorbaria sorbifolia* is after the same style, but the flowers are creamy white and rendered all the more conspicuous by the very long stamens.

Itea Virginica, a native of the Eastern United States, is showy in summer with its profusion of white racemes and for grouping can be used to advantage. The *Deutzias* are a beautiful genus and many good sorts are now obtainable. Those of special merit are, *D. scabra* Watereri, a very free-flowering single white, *D. scabra* Wellsi, a fine double white, *D. scabra* Pride of Rochester, double white tinted with rose and exceptionally free-flowering and *D. scabra plena*, which has pure white flowers. The foregoing by no means exhausts the list of summer flowering subjects, but it includes some of the most desirable for producing a display when good flowering shrubs are much needed.

Arthur E. Thatcher

Arnold Arboretum.

Landscape Effect Considered In Greenhouse Construction

Too often has it been true that greenhouses are placed with little regard for landscape effect and in such a way as to mar and detract from, rather than accentuate the beauty of their surroundings. The dividing of the twin palm houses as shown in our cover illustration thereby opening up the lovely vista across the Hudson river, was a very clever conception and well worthy of having the attention of our readers drawn to it for this, if for no other reason. This is one feature of a range of fine conservatories designed and erected by the Pierson U-Bar Company at Hyde Park, N. Y. The range is unusual in its treatment and the houses were designed and located especially with reference to their environment and their effect on the surrounding gardens, trees and landscape views.

Seasonable Notes on Culture of Florists' Stock

ALLAMANDAS

There are in cultivation very few plants that produce flowers of yellow color serviceable to the florists, and at the same time so well adapted for various forms of decoration as allamandas. Plants that were pruned last spring to within a joint or two, and these when they had made two or three whorls of leaves pinched again, and so on during the summer, will by this time have formed nice bushy specimens. If these plants are required for early flowering, they should now be kept drier at the roots, so as to harden and ripen up their wood. Water may be withheld till they flag, but do not allow the wood to shrivel. In fact allamandas can be so managed as to have them bloom at any time of the year, by first resting the plants, then pruning them back, and then encouraging root action. They will rest well in a temperature of 50 to 55 degrees, but when starting them into bloom keep them at 65 degrees, and give an abundance of water as soon as they get into active growth. When potting use a good rich light soil. The species best for pot culture are Williamsii, Hendersoni and Neriifolia.

COREOPSIS GRANDIFLORA

This plant is of special value to the florist owing to its free-blooming qualities and usefulness for cutting. When Easter does not come too early it can be had in bloom then. Next Easter is not early, being on the 16th of April, so they can be had in bloom on that date. This plant is particularly useful for Memorial Day trade. So now is the time to pot up some of the strongest clumps. A good rich soil should be used. The best size pots to use is from 8 to 10 inches. Keep in a cool pit until January when they can be brought in and given a temperature of 48 to 52 degrees at night. When the flower spikes begin to show use a stake in each pot so as to keep them straight and also feed freely. A batch of these plants for Memorial Day will be found very useful.

LOMARIAS

These graceful ferns in their young state make good center pieces for table decoration. They can be grown under proper treatment into miniature tree ferns, which can be used for general house decoration. When the plants get large and pot-bound they can be root pruned and the soil reduced, and put back into the same size pots. They will soon make a new set of roots and a new crown if given a gentle bottom heat. This useful species can be readily raised from spores. The material to sow on should consist of some fine peaty soil or leaf mold with a good portion of silver sand. Sow in shallow pans or boxes and keep in a temperature 70 to 75 degrees in a close atmosphere, well shaded from the sun. Transfer into fresh soil when large enough to handle. When they have produced two or three upright fronds they can be put into thumb pots, using a soil of one-half loam and one-half peat or leaf mold with some sharp sand. Keep in a temperature of 60 to 65 at night. *Lomaria gibba* and *intermedia* are the best.

OXALIS

These are admirable pot plants. For winter flowering the main batch should be potted up now. Use a 3-inch pot to start with. Place a single bulb in each pot, and as they fill these pots with roots shift them as they may need it until a 5 or 6-inch pot is reached, which should be their bloom size. A good turfy loam, three parts to about one part of good manure with a little

sand will suit them. The crowns should be kept near the surface as the plants are liable to lift themselves out. During their growing season they will require an abundance of water. When they start to bloom liquid stimulant will help them. Allow a temperature of from 50 to 55 degrees at night. The best kinds are *Oxalis cernua*, *O. Bowiei*, *O. gigantea*, and *O. herta-rosaceæ*.

RHODODENDRONS

If you have a root house or cold pit you can plunge the ball of roots of these plants in soil and keep same moderately moist. If you have not these conveniences a deep frame will do. They can stay here until wanted for forcing, which should not be attempted before February. They can then stand a minimum temperature of 60 degrees at night. At this stage they like a moist atmosphere and should be freely syringed, but must be removed to a more airy and a cooler house when their flowers begin to open. When potting rhododendrons use a porous soil. A good compost is two parts fibrous loam, one part leaf-mold and some sand. When ordering see that you get the varieties that are suitable for forcing as there are countless varieties and some of the handsomest do not force well. The varieties of *Rhododendron ponticum* are very good for forcing.

STORING ROOTS AND TUBERS

Clumps of canna roots lifted from the ground with most of the soil left clinging to them, the stalks being sharply cut down to stumps of six or eight inches, may at once go to their winter quarters. Any frost-free, cool place with a dry earth underneath but not too dry an atmosphere will do. Most varieties keep well under a bench in any cool greenhouse, where the stock growing therein requires but little sprinkling during the winter. Dahlia roots, dug up and freed of top growth and adhering soil, are first dried off in an airy but shady place, then stored away with finely sifted earth under, between and over them. They may thus be packed in boxes, tubs or barrels, these to be placed where the roots will not be injured by frost or too great heat, or by an excess in either dryness or moisture. Any place where potatoes winter well is also a good place for dahlia roots. *Gladioli*, *tigridias* and such like corms, as also those of *Caladium esculentum*, may be treated as advised for dahlias, with this difference that they should not be cleaned of top growth and roots before being thoroughly dried and cured. Sawdust instead of sifted earth may then be used in packing them away.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Begonias and Fancy Caladiums; Forcing Gladioli; Lilies for Christmas; Poinsettias in Pans; Smilax; Vandas.

New Roses of the Year

The National Rose Society had a capital exhibition at the Royal Horticultural Society's hall, Sept. 15. Following is a list of new roses that obtained honors of some kind. The best things in roses seem to come now from Ireland and Scotland. The Irish are the more lucky in new varieties. The slower development of the blooms under the cooler conditions, and this year the lack of the heavy downpourings of rain we have had in the South, may have told.

LIST OF PRIZE WINNING NOVELTIES.

Shown by S. McGreedy & Son, nurserymen, Portadown, Ireland—Mrs. Herbert Stevens, a white tea va-

riety having a pointed centre, and moderate size, as shown; awarded a gold medal. This firm showed Mrs. Muir McKean, a well-filled flower of bright crimson having a purplish tinge and an elongated centre; a card of commendation was awarded. They also showed the new rose Dorothy Ratcliffe, pale pink, with much beauty of form; a silver gilt medal was awarded.

New seedling Marchioness of Waterford, a globular shaped variety, well filled and of a bright pink tint in the centre, paling off towards the outer petals, which are reflexed at the tips, was shown by Hugh Dickson & Son, Belfast; a silver gilt medal. This firm were likewise the exhibitors of the seedling rose Souvenir of Portland, a deep purplish flower, large in size, and full with a globose centre; a silver gilt medal. A similar award was made to the last-named exhibitors for the variety Mrs. C. E. Allan, a blush colored flower, having reflexed petals.

Rev. J. H. Pemberton showed a new seedling under the name of Daphne, light pink, semi-double, and flowering from June to November; moreover, it is never affected by mildew; a card of commendation.

Alexander Dickson & Son, Newtownards, Ireland, showed the new variety Mrs. Foley Hobbs, a white flower with a tinge of pink in the centre. Flowers of this rose were shown from plants growing in the open ground, and under glass; a gold medal was awarded.

W. Ferguson, Brucefield Nursery, Dumfermlin, was awarded a silver gilt medal for the new blush rose James Ferguson, a full bloom of good shape.

Frederick Moore

The Rhine Valley

Leaving Bale, which is situated at the southern end of the Rhine, one enters on broad stretches of meadow and grass land, with vegetable gardening the principal industry. As the valley narrows, vineyards become more and more frequent, also fields of hops and tobacco. Here and there are fodder corn and a few small patches of sweet corn are seen, but very dwarf, with pale yellow leaves, showing too much moisture and not enough of our hot sun to bring the grain to maturity. Mr. Bass was once said to have remarked when drinking a bottle of his own ale in France, that he could hardly recognize his own child. This was the impression left when looking at this poor American corn, and illustrated how climate governs the variety of plant that can be successfully grown. The fodder corn cut green does fairly well, and supplies a nourishing food for the cattle. The old saying—"When in Rome, do as the Romans do," appears to also apply to plants. However if this valley can not produce corn, it is one of the most fertile, beautiful and historical in Europe.

The broad plains of the southern section through Alsace-Lorraine and Bavaria produce everything from hay to hops, tobacco, wine and vegetables of all kinds. No more intensive farming can be seen anywhere than here. Every inch of ground is kept constantly under cultivation. The farming population do not live on their farms, but in small villages. This is due to custom, originating for mutual protection against armed forays from nobles at war, or freebooters bent on plunder. These villages remain practically as they were during the middle ages—just as picturesque, the inhabitants wearing the same costumes and holding to the old customs with but few exceptions. This also applies to agriculture, except with the added knowledge

of chemistry, by which more is taken from the soil than formerly, supporting thereby a larger population.

The agricultural population living in these villages enjoy a social life which helps them bear their hard work more cheerfully, and allows greater intercourse than could be possible if living on their properties. One is impressed in going amongst these people, by their thorough enjoyment of life. They work hard when necessary, but have their Sundays, holidays and fete days and believe in living and letting others live. They are sober, industrious and mostly very intelligent, and far more happy than those dwelling in large cities. They may not have so much gold, but they enjoy good plain, healthy food, good health and all that which goes with it.

Frankfort is beautifully situated on the Main which enters the Rhine a short distance below the city. The climate here, owing to the protection of the Black Forest, is very mild in winter and very comfortable in summer, thus allowing for a large range of plants that can be successfully grown. Located as it is in the center of the wine district and distributing point of the vast crops of the Rhine valley, it is one of the great financial cities of Europe. Horticulture naturally with these surroundings—namely climate, wealth and intelligent gardeners—is here seen to advantage.

The system of parks comprises a large area and is similar to that which nearly all the European cities have adopted. These cities were once all surrounded by walls, then later by earthworks and still later by outlying posts and earthworks, making two, three and, in some cases, four rings around a city. These have been now utilized for boulevards, and in Frankfort are the key to their parks. The park itself is treated "a la nature," showing splendid samples of forest trees, such as pines, oaks, chestnut, beeches, etc. Along the drive-ways, clumps of rhododendrons, azaleas and beds of Hybrid Perpetual and Hybrid Tea roses are planted to relieve the severe effect of the woods. Amongst other charming features is the celebrated Palm Gardens. These gardens are laid out as a small park, special attention being given to carpet bedding, and ornamental effects, combining fountains and statuary. The centre is occupied by a large building used the year round for concerts, balls and entertainments of all kinds. One of its features is a large palm house, which connects with the main building. The size is large enough to allow for a very perfect tropical garden, with waterfalls, fountains, walks and cozy corners, to sit and enjoy a flirtation or a quiet smoke. At night when it is lighted by electricity, with music to charm the ear, it brings the tropics to Frankfort.

Leaving Frankfort, we enter the central section known as the Highlands of the Rhine,—its beauties sung by poets, painted by artists and described by well-known writers of all nations. Today it is the section where the best Rhine wine is made, and where the scenery, although not so bold, is somewhat similar in character to our Hudson, which however still lacks the historical castles, legends and age to make it as interesting to sight-seers as the old Rhine, whose natural beauties man has appreciated for centuries.

John A. Taylor

HORTICULTURE

VOL. XII

OCTOBER 15, 1910

NO. 16

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Landscape Effect Considered in Greenhouse Construction.	
MIDSUMMER FLOWERING SHRUBS— <i>Arthur E. Thatcher</i>	529
LANDSCAPE EFFECT CONSIDERED IN GREENHOUSE CONSTRUCTION	529
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK— <i>Allamandas—Coreopsis grandiflora—Lomarias—Oxalis—Rhododendrons—Storing Roots and Tubers—John J. M. Farrell</i>	530
NEW ROSES OF THE YEAR— <i>Frederick Moore</i>	530
THE RHINE VALLEY— <i>John H. Taylor</i>	531
HOLLAND— <i>R. Vincent, Jr.</i>	533
THE SPENCER TYPE OF SWEET PEAS— <i>W. Atlee Burpee</i>	533
A NOTABLE GREENHOUSE RANGE—Illustrated	535
CLUBS AND SOCIETIES:	
New York Florists' Club—Gardeners' and Florists' Club of Boston—Pittsburgh Florists' and Gardeners' Club—American Association of Park Superintendents, Eastern Branch—The Morristown Show—Royal Horticultural Society—Chicago Florists' Club	536
Cincinnati Florists' Society—Society of American Florists—Club and Society Notes	537
COMING EXHIBITIONS	539
DURING RECESS—Bowling at New York, Chicago and Cincinnati	540
HOW TO PRODUCE NEW PHLOXES— <i>C. S. Harrison</i>	542
SEED TRADE:	
Agrostis stolonifera and canina—Grass Seed Crops—A New Seed and Flower House—Currie Bros. Reorganize—Notes—Catalogues Received	544
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores	546
Flowers by Telegraph	547
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati, Philadelphia	549
New York	551
FOREIGN PLANT INTRODUCTIONS, U. S. DEPT. OF AGRI.	556
MISCELLANEOUS:	
A Nursery Merger	535
Obituary—Mrs. John Walt	537
Personal	540
News Notes	540-551-558
Care of Memorial Trees, etc.— <i>Frederick Moore</i>	542
Catalogues Received	542
Incorporated	544
Chicago Notes	547
Greenhouses Building or Contemplated	558
Patents Granted	558

few foreign publications which will compare favorably in this respect with the best issued here but the great majority, even including some of the biggest ones and those that far excel the American lists in extent and variety of their offerings, are not to be compared in the quality and character of their illustrations and in progressive artistic quality generally. Each season sees a decided advance in excellence.

Have you consulted or written to your favored candidate for Congress this fall to ascertain his attitude toward the parcel post agitation?

It's of much more vital importance to you, if you are engaged in any department of horticultural work, than all the time-worn topics that political aspirants are wont to rave about in pre-election speeches. There are very few candidates at this time who feel so certain of their election that they can afford to ignore the sentiments of their constituents and if you do not take advantage of the present opportunity to voice your demand for what you believe to be just and right you are neglecting your duty to yourself and to the industry in which you are engaged. Now is the time to act. Three weeks more and the opportunity will be gone forever.

Our list of coming exhibitions is a lengthy one and betokens busy times in the next few weeks for all who contemplate making use of the facilities for trade publicity which these occasions present. It requires no small supply of any new plant or flower to give it the proper showing required in these days at even those few of the larger exhibitions which are recognized as pre-eminent in influence. Thus it is becoming a more and more difficult undertaking for the introducer ambitious for honors that will count when the time comes for disseminating his novelties, and the list of dealers who have the required facilities for effectively staging and exploiting a new thing in widely separated localities and at practically the same time must, of necessity, be limited and also each year become more so.

Only an interval of about five months separates us from what is generally expected to be the most brilliant horticultural

event the present generation of American florists and gardeners have been privileged to participate in. Reports from the center of activity in the management of this enterprise are more than encouraging on the only line on which doubt has been at any time expressed since Boston was selected as the place for holding the exhibition—that is, the financial outlook. It has been accepted from the beginning that the show will be an unprecedented success from a cultural and artistic standpoint. Now looms up the trade exhibition, so-called, which at the outset was regarded as a minor adjunct, but which, from present indications, promises to go a long ways toward supplying the substantial revenue which will be needed. It is now settled beyond any doubt that the trade section of this big affair will far exceed in extent and importance any trade exhibition held heretofore at any convention of the S. A. F. The eagerness with which the large growers, manufacturers and dealers all over the country are booking choice space in which to make their display indicates that they look for a very large attendance of trade buyers from all directions. That these dealers are good judges and well-informed will not be questioned and this gives convincing force to the forecast which they seem to have reasoned out.

Catalogue
 excellence

We note with pleasure the superiority in make-up and topographical merit in the catalogues of leading American nurserymen and seedsmen as compared with those issued by their European compeers. There are a

HOLLAND.

(Abstracts from an address before the Florists' Club of Philadelphia by R. Vincent, Jr.)

Mr. Vincent's address began with some historical references to the valor of the people of Holland and their patience and industry in bringing the land once water-covered, into subjection and maintaining fertile smiling plains where once the sea rolled. Speaking of Haarlem, he said:

It is curious to watch the throng of men and women during the bulb flowering season some on bicycles with enormous red, yellow and purple festoons of flowers on their bicycles, a sash of them bung around their necks and their hats trimmed, forming a curious picture as they glide along. Again others in carriages carrying huge bouquets, all seeming to delight in carrying flowers, which are to be obtained from vendors for a mere trifle. All the way from The Hague to Haarlem, if one was without the small trifle where with to purchase, the courteous bulb grower would willingly make anyone a present of all the blooms he, or they might want. It is the roots he wants, not the flowers. They have to employ men to pick the flowers off and cart them, or boat them off to the manure pile. The word cart is rather a misnomer, in this case, as the boat is the Dutchman's cart. The admiration which one cannot but express as he views the brilliant patches of bright yellow, dark red, showy purple, pure white, and bright blue with here and there the green hedges which are used as wind breakers, with the everlasting carals, makes a panorama that can only be viewed in Holland. Indeed, a visit to the bulb fields while in bloom will never fail to please, as it is always intensely impressive.

After recounting some of the features of the famed tulip craze, Mr. Vincent continued:

It was about the end of the seventeenth century that some Haarlemers exported bulbs to other countries for the first time, and they thenceforth became known as Dutch bulbs.

We visited a place near Haarlem where in the commencement of tulip growing the first new varieties of tulips were raised—or, more practically speaking, the original home of the tulip is Holland. These grounds have now been crowded out by buildings for homes, but there is still much to interest one in the quaint portion still left in the heart of a built-up section. We saw here a bed of seedling Narcississ that will show to the world what can be accomplished in a small area with intelligent skill and study as to what is possible in a flower. Of the Mansion House that was on this tract only a small portion remains, as it has been added to and rebuilt by the several generations that have gone before. But the story that is told about this estate and the tulip industry is rather entrancing. Tulips, however, are not all the plants that are largely grown in Holland. There are many others—Spireas, Tuberoses, Bleeding Heart, Iris, Ranunculus, Anemones and many others.

Narcississ are increasing favorites, and

wonderful fields can be seen in Holland in all their golden glory, and when in full bloom appear as a beautiful sunrise. That yellow has been the predominating color in these flowers is not saying that it will continue so always, as white has been brought forward rapidly during the past few years, and I look to see red yet become one of the standard colors. Four hundred varieties were exhibited in vases at the Haarlem show. These are flowers of which every one should have a few varieties in the garden. They will stand neglect better than a good many others. In fact, the Narcissus could be called the lazy man's or lazy woman's flower.

Mr. Vincent closed with an earnest appeal to his fellow-members to plant these bright flowering bulbs in such quantities as to rival the beautiful flower-decked fields of Holland, the finest color picture the world has ever had.

A CALIFORNIA CARNATION.

The accompanying picture shows Richard Diener, Colona, San Mateo County, Cal., with a seedling carnation



bearing flowers of unusual size. Our informant states that the flowers on this plant measure $5\frac{1}{2}$ inches in diameter. The stem, as shown in the illustration, is over 3 ft. in height. He says further that the calyx parts papaver fashion, and the lower petals stand out straight as in a gardenia, which would indicate, we should say, relationship with the Malmaison type, but the parentage is given as Enchantress \times Prosperity. The color is white with occasional red stripes and the flower is very fragrant. Mr. Diener received a silver cup from the Pacific Coast Horticultural Society for his seedling carnations, geraniums and dahlias. We hope his carnation and other prodigies, about which the California daily papers have had considerable to say, will "make good."

THE SPENCER TYPE OF SWEET PEAS.

(Abstract of a Paper read before the American Seed Trade Association at Atlantic, by W. Atlee Burpee.)

Taking a walk in the early morning of May 31st, around the village of Lompoc, I was so impressed with the fact that while there were acres of the finest Spencers grown in that beautiful valley, both upon our own and other seed farms, yet nearly all the sweet peas in the village gardens were of the old grandiflora type. I determined then that if time would possibly allow before your Convention I would certainly try to say something that might help increase the enthusiasm for this wonderful new race of Gigantic Orchid-flowered sweet peas.

In considering how I could best say anything to still further advance the growing interest in sweet peas of the Spencer type I picked up the book about sweet peas published this year by my friend, Walter P. Wright, of England, and upon reading his introductory remarks felt that no words of mine could so well express as he has done, the wondrous beauty of the seedlings of Countess Spencer. With your permission, therefore, I shall first quote from Mr. Wright:—

"It was Henry Eckford who made the sweet pea the great flower that it is. He delighted amateurs with new and beautiful colors and with improved form. He enlarged the flower and added grace, substance and symmetry to it. It was loose—he gave it regularity. It was flimsy—he made it solid. It was ragged—he knit it together. The standard was badly notched—he went a great way to filling the gap up. But mark you, he did all this without robbing the flower of its fragrance. If he had done that—but why speculate? He did not; he kept it as sweet as he found it.

"Eckford did so much that there really seemed little more to do when he drew towards the close of his busy and beneficent life. But the sweet pea was ever a secretive flower, and at last, when the secret of her loves, so long held inviolable, had been wrested from her, when all about her seemed known, and when a hundred beautiful daughters surrounded her—then she laid down another card.

"Something came with a vengeance, but it was not the buttercup yellow, nor yet the Gentian blue. It was not the development of color at all, but of form. We gasped in sheer amazement. This astonishing flower had made an absolutely new, revolutionary, cataclysmic, prestidigitary, thaumaturgic change in the form of its standard. Left comfortably smooth and flat by Eckford, it suddenly threw a variety with a standard that was heavily waved or crinkled.

"A waved standard! And with it increased size of flower! A crinkled standard in itself might not have vanquished us, for it might have meant a flower of shrivelled and meagre appearance; but Nature seemed to have resolved to carry her new sweet pea scheme through thoroughly, and increased the material in the petal to allow for the folds.

"The waved flower reigns. While my pen flows along the paper in shaping these words, the thought crosses my mind, has the sweet pea other rev-

olutionary secrets in her keeping? Shall I have to modify the first sentence of this paragraph when I write an introduction to the twenty-fifth edition of the present work? I know not. All I know is that in this, the tenth year of the twentieth century, the waved sweet pea reigns.

"It reigns supreme, unchallenged. It has taken the sweet pea world by storm, and by the appeal of its wonderful beauty has brought thousands of new devotees into the fold. All the world yields to its beauty and grace."

The original sweet pea of this new Giant Waved type was found in 1900 at Althorp Park, Northampton, England, by Mr. Silas Cole, gardener to Countess Spencer—after whom it was named. Mr. Cole seems to think it was the result of a cross of *Prima Donna* with another seedling made in 1899. The fact, however, that the same waved form of flower, although of smaller size (*Gladys Unwin*) was found by W. J. Unwin, of Histon, Cambridge-shire, England, and also identically the same variety as Cole's Spencer was found in a row of *Prima Donna* in the gardens of Henry Eckford, would seem to prove that this new type has been entirely "created" by nature without any immediate aid from man—a sort of natural, or rather ought I to say unnatural, and most remarkable evolution?

My friend, Mr. Robert Sydenham, of Birmingham, England, purchased the original stock of Countess Spencer from Mr. Cole and sent the seed to us in 1902 to grow for him. He introduced this variety in England in 1904. With his kind permission we first offered it the following year (1905) in America, and at the same time introduced also Mrs. Sydenham or Orange Countess (which is now known as Helen Lewis), and Florence Spencer, a selected strain of which is now known as Florence Morse Spencer. In this same season of 1905 we introduced a mixture which we called "The New Race of Gigantic Orchid-flowered Sweet Pea Seedlings of Countess Spencer." At the same time we had, of course, advised our friend Mr. Sydenham, of the remarkable "break" in Countess Spencer and told him that in a few years from separate selections being made we hoped to have many different colors. We did not realize then how difficult it would be to fix these sports of Countess Spencer, nor in fact how much careful selection and re-selection would be necessary to really establish even the original Countess Spencer and the other two varieties introduced that year (1905) on a basis of fixity where they could be depended upon to come true from seed.

The tendency of the original Countess and all her children to sport has been, however, really a blessing in disguise, for now by careful work on the part of American and English growers not less than forty or fifty varieties have been fixed so that they come practically true from seed. None but the grower, or those in close touch with the growing of sweet peas can have any idea, however, of the amount of patience and time involved in this selecting and reselecting.

In the grandiflora type of sweet peas it was rarely that the same sport, or seedling of the same character occurred in more than one place.

The same year that Henry Eckford introduced the Duchess of Sutherland we introduced *Modesty* and both proved identical. The same year Messrs. House & Son introduced Lord Nelson we introduced Burpee's *Brilliant Blue*—both proved identical. The only other case of identity in new varieties of grandiflora type which I can now recall is that after introducing *Aurora* the next season in visiting my friend, the late Henry Eckford, at his home in Wem, he showed me where he had the same variety, but had not up to that time introduced it.

The fact that frequently the same colors in Spencers have occurred simultaneously with different growers in England and in America shows almost conclusively that these were all "creations" of nature, or sports, rather than the result of cross-breeding by man, although of course, such new varieties were only made possible by the breaking up into different colors and advancing of the grandiflora type by the late Henry Eckford, who well deserves his imperishable fame as the "Father of Sweet Peas."

In most cases the new varieties of the Spencer type have retained the same coloring as the grandiflora varieties. For this reason and to prevent confusion we adopted the plan of giving descriptive names with the word Spencer added,—as in the case of Burpee's White and Primrose Spencers, Apple Blossom Spencer, *Aurora* Spencer and King Edward Spencer. One illustration of the occurrence of practically the same new Spencers in England and America it might be worth while to mention. In 1903 at the luncheon given by Mr. Leonard Sutton at Reading, England, to the visiting members of the National Sweet Pea Society of England, in his introductory remarks he said that while the Spencer type of sweet peas was making wonderful progress he thought it would be a long while before any sweet pea could become more popular, or more beautiful than that named for His Majesty, King Edward VII. In replying I told Mr. Sutton and his guests that the Vice-President of the Society, Mr. Cuthbertson, whose gardens I had just visited in Essex, and ourselves each had a Spencer form of King Edward VII ready for introduction in 1909, but that I would gladly agree to call it King Edward Spencer. After further consultation with Mr. Cuthbertson he thought, however, that his was a little different from ours and, therefore, his firm (Messrs. Dobbie & Co. of Scotland) introduced theirs the same year as "The King."

It is worthy of note that the varieties of Spencer Sweet Peas, which are of the same color as existing varieties of the grandiflora type, generally come more readily true to color than do those which combine with the distinctive large waved form of the Spencers also new colorings. While King Edward Spencer and "The King" both came quite true from seed yet Mrs. Routzahn, which we introduced the same year, being of an entirely new combination of colors (light apricot and straw) sported so badly that an entirely new reselection was necessary. Similar coloring introduced in England (Mrs. Henry Bell) behaved in like manner. We

have had a like experience, much to our regret, the past season. Of the four varieties introduced this season by Messrs. Morse and ourselves Senator Spencer, Marie Corelli and W. T. Hutchins come quite true, while the beautiful *Miriam Beaver* (deep apricot and straw) has broken so completely that we shall have to withdraw this variety from sale probably for several years at least.

Our trials show that new English varieties possessing new combinations of coloring sent out this season with equally good faith have also behaved in a similar manner so that it will require considerable courage and patience to persist in reselection and establishment of these new colors.

One word more about the curious sportive character of the Spencer type. We were very pleased with the trueness to type of the selected stocks of Spencers this season on our own farm and the farms of several other growers in Santa Barbara and Santa Clara counties, but noticed one of the most remarkable examples of sporting that we have ever seen. The best re-selected stock of George Herbert, in fact, a stock that originated with our friends, Messrs. C. C. Morse & Co. (and to which their Chinese gardener, Henry Ohn, in his enthusiasm had given the name of James Lick) we found both growing on their grounds and on our own came absolutely true except for one sport and that was a white-seeded white Spencer of which there was fully 5 to 8 per cent. Examination of the seed left over from planting showed that there was not a single white seed in the lot. We have allowed a few plants of this white to stand,—marking same to see whether we should have to lose all faith in being able to tell when in bloom a white-seeded white from a black-seeded white!

With the splendid work now being done by the National Sweet Pea Society of England seconded by our own new American Sweet Pea Society growers generally are awakening to the fact that the fair fame of new introductions in the Spencer type rests largely with them in being able to restrain their enthusiasm for at least a year after they consider they have sufficiently established a new color ready for introduction.

The seed of sweet peas of the true Spencer type can never be produced nearly so cheap as the grandiflora type. The roguing that is necessary is not merely to remove off colors, but also to see that the type be not allowed to deteriorate to the grandiflora form. While most free blooming the true Spencers have the unfortunate characteristic of dropping the majority of their blooms without setting pods. So noticeable is this that the Gardeners' Chronicle of London last September said: "It would not be an exaggeration to say that some of the choicest Spencers do not yield a tenth of what the old varieties do, and this in a favorable season."

If the Spencer type of sweet pea is to maintain and extend its present popularity growers generally must aim at quality and be satisfied with a much smaller quantity of seed from a given area than has ever been recognized as a good crop of the older types.

A NOTABLE GREENHOUSE RANGE.

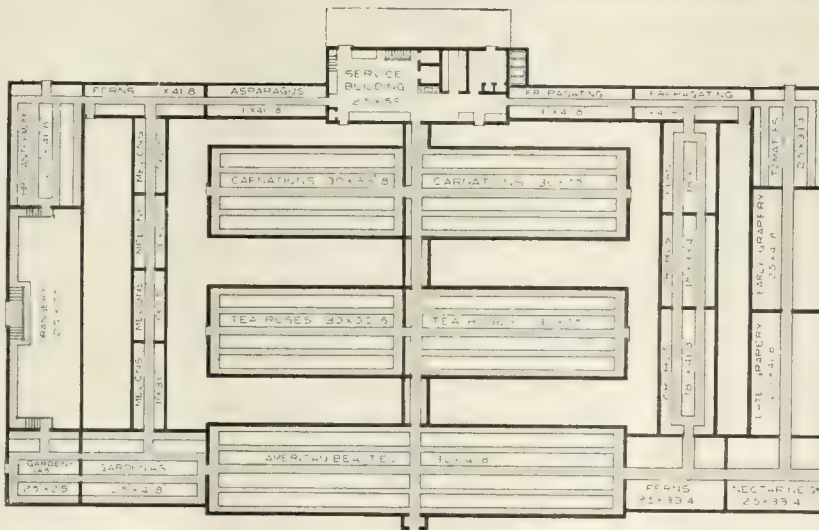
A few weeks ago we took opportunity to mention some of the features of the great estate of J. B. Duke at Somerville, N. J., referring especially to the extensive range of conservatories recently completed by Lord & Burnham Co. We take pleasure now in supplementing those notes by the accompanying illustrations, one of which shows a plan of the entire range. All of the houses in this range are the L. & B. Improved Curved Eave type. The complete range covers a ground space of 39,000 square feet and consists of 28 compartments.

The two other pictures show the carnation house and the orangery. The carnation house is 30 ft. wide, without any supporting columns, something rather unusual in a private range. In the orangery—as the photograph shows—some of the trees are planted in the soil and the rest in tubs. As soon as the planted out trees begin to crowd the tubs will be removed. There are also some grape fruits in this house. It will be noticed that the ground is divided off in plots by rows of brick.

This brick separation extends considerably below the ground. The walk on the side is two feet higher, to give a more advantageous view of the trees.

The rose house has concrete beds. With the exception of the orchid compartment, all the other houses are equipped with cast iron benches.

The heating is hot water, gravity system. There is also installed an electric circulator for use in extreme weather. Three No. 1036 Burnham Boilers do the work.



A NURSERY MERGER.

W. H. Wyman, of the Bay State Nurseries, No. Abington, Mass., has purchased the plant of the Framingham Nurseries, heretofore conducted by the late W. B. Whittier. The business will be continued under the firm name of W. B. Whittier & Co., as it has always been, and we are informed that it will be the effort of the new management to maintain the same high standard and efficiency that have characterized the

business as conducted by Mr. Whittier. Mr. Wyman took possession of the property Monday morning, Oct. 3. The same men that were employed by Mr. Whittier and served under him so faithfully for many years will be continued in their respective positions.

Mr. Whittier and Mr. Wyman were always intimate friends and have done business together for many years. They were together in Europe last winter, during which time Mr. Whittier was very sick and at one time thought he would not live to return to America. At that period, Mr. Wyman tells us, he placed his business in a measure in Mr. Wyman's hands and they talked over the very thing which has now transpired, in case he should be taken away. The two nurseries ("Bay State" and "Framingham") will be run entirely independent of each other.

"A GREAT HELP."

"Your paper is a great help to me, and I hate to lose a number."

E. W. S.

N. Y.



HORTICULTURE

CLUBS AND SOCIETIES

October 15, 1910

NEW YORK FLORISTS' CLUB.

The attractive program announced for the October meeting drew a large attendance at the club rooms last Monday evening. There must have been fully one hundred present and nearly half the number were ladies. Routine business was quickly despatched and then came the special attraction of the evening, J. Horace McFarland, of Harrisburg, Pa., in his lecture on "The Crusade Against Ugliness." The stereopticon views with which Mr. McFarland illustrated his remarks were very fine and depicted in the most forceful manner the contrasts between the squalid, disfigured and untidy surroundings of our homes and towns as they too often are, and what it is possible to make them; or, as the lecturer expressed it: "Between the fields where the beasts live and the streets where the men live." Mr. McFarland is doing an incalculable amount of good with these convincing proofs of the stupidity and neglect by the American people of those things which go to make homes clean and attractive and those who live in them happier and better citizens. His efforts were enthusiastically applauded by this gathering of the horticultural fraternity of the great metropolis and a hearty vote of thanks was accorded.

The entertainment which followed, under the experienced direction of J. B. Nugent, was most enjoyable. An orchestra discoursed music in abundance and there were vocal solos by the Club's favorite soprano, Miss Sabery Dorsel, Herbert Ingram and others. Then a delicious collation was served and the time passed rapidly in enjoyable social intercourse.

Harry Turner exhibited specimens of *Celosia* Pride of Castle Gould and was awarded 90 points in the competition for the Hitchings Cup. Robert Scott & Sons showed their new yellow rose *Melody* which was much admired and the committee expressed a wish to see it again at a later date before passing final judgment on it.

Eleven new members were admitted and applications were received from ten more, which is conclusive evidence of the rapid growth in numerical strength and in popularity which this organization is enjoying.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular meeting of this club will be held at Horticultural Hall on Monday evening, October 18, at 8 o'clock. Edward McMulkin will speak on "The Retail Florist and what is expected of him and what he has been doing for the last 30 years." The speaker is eloquent and entertaining, and his audience promises to be a large one. There will be an unusually attractive lot of exhibits on the tables. This meeting will, in some measure, take the place of the regular Boston Chrysanthemum Show, which will not be held this year, and quite a number of exhibits of chrysanthemums, carnations, etc., will be shown. A cordial invitation is extended to all interested friends to attend on October 18. It makes no difference if they are not members; all will be made welcome. W. N. CRAIG, Sec'y.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The monthly meeting of the Club was held in the Fort Pitt Hotel on Tuesday evening, October 4th. It was *Dahlia* Night with an extensive display of these flowers. The Elliott Nursery Co. showed fine dahlias including a number of seedlings, *Tritoma* Pfizeri, etc. R. Vincent, Jr., & Sons Co., of White Marsh, Md., made a very large exhibit of splendid dahlias including the finest of the standard varieties and the recent novelties.

In general it may be said that the large varieties in delicate colors, after the *Madame Vanden Dael* type, did not stand the journey as well as smaller varieties of the *Livoni* type. And by the way—speaking of *Livoni*—this dahlia, perhaps the best all-around commercial variety ever produced, was not shown by any exhibitor. The writer now has it in bloom giving ten flowers to one of standard varieties alongside of it.

Only a small number of the varieties shown by Vincent were named, but his exhibit was certainly a wonder in its extent and its educational value to our dahlia growers was great. It is something of a surprise, however, to see how well some of the older varieties are holding their own. The secretary was instructed to tender the exhibitors a vote of thanks.

The subject of a social for the club was broached but was finally left over to a later meeting. Subject for November meeting—*chrysanthemums*.

H. P. JOSLIN, Sec.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS, EASTERN BRANCH.

The Eastern Branch held its quarterly session in Boston on Saturday, October 8, convening at the Quincy House. The stay there was brief, however, for President J. A. Pettigrew, with characteristic hospitality had three big autos in waiting and together with his chief assistant J. F. Shea, soon had the party under way in a delightful tour through the parks and parkways under their charge, finally bringing up at Mr. Pettigrew's home in Franklin Park, where lunch was served and the routine meeting of the Branch took place, after which the ride of inspection and pleasure was resumed. The next meeting will be held in New York.

THE MORRISTOWN SHOW.

The schedule and list of prizes for the joint exhibition of the Chrysanthemum Society of America and the Morris County Gardeners' and Florists' Society on Nov. 2, 3 and 4 has been issued. The exhibition will be held at the Morris County Golf Club, Convent Station, Morristown, N. J. The prizes aggregate \$3,000, including a sweepstake cup valued at \$150. Arthur Herrington is manager of the show and the exhibition committee consists of W. H. Duckham, C. H. Totty and R. M. Schultz. Copies of the schedule may be obtained on application to Edw. Reagan, Sec'y, Morristown, N. J.

ROYAL HORTICULTURAL SOCIETY

Of the choicer orchids in flower, a few notable hybrids were noticed in a group shown by Messrs. Bull & Sons on September 27—a firm long established, and now coming to the front as orchid hybridists. The group shown contained many examples of *Cattleya Pittiana*—a hybrid obtained by crossing *C. granulosa* Schofieldiana and *C. Dowiana aurea*. This cross is becoming common in collections and possesses much value as a decorative plant. Other notable plants were *Cypripediums* *Tankianum* and *C. Maudiae magnificum*. There exist various forms of this hybrid, all of which are very pretty. A fine *Cypripedium*, as yet unnamed—a cross of *C. Io grande* and *C. Godefroyae leuchochilum*—was noted in this group.

Messrs. Sander & Sons, St. Albans, were exhibitors in a large way. A pretty flower is *Laelio-Cattleya Binoti* (*Laelia pumila* and *C. bicolor*). It is a plant of small growth, the sepals and petals dark purple, the tube of a lighter tint, and lip, which is strap shaped and narrow, very rich purple. *Cattleya* Lord Rothschild has a flower marked gorgeously in the throat with golden lines, lips deep purple, with a thin edging of a silvery color, and frilled, round the margin. Lieut. Col. Sir G. Holford was awarded a first class certificate for *Cypripedium Shotgun*, an almost circular flower, the pouch brown, and as if varnished, and edged with yellow. The dorsal sepal has a broad edging of white, and in the central area it is light green, spotted with brown. Sir G. Holford obtained an award of merit for *Cattleya Dirce magnifica*, the fully expanded flowers of which measured eight inches across.

Mr. W. Thompson, Walton Grange, showed *Laelia De Gustiana Thompsoni*, a plant of unknown parentage. An award of merit was made.

Stuart Low, Bush Hill Park, was an exhibitor of numerous choice orchids—species and varieties—and they were awarded a silver flora medal for the exhibit. One remarkable plant in this collection was *Brasso-Cattleya Pocahontas*, a white bloom having a width of 6 inches.

Messrs. J. Veitch & Sons showed *Viburnum Henryii*, a recent introduction from China. The plant was abundantly fruited; in color and size the fruits resemble those of the common holly. A first class certificate was awarded. F. MOORE.

CHICAGO FLORISTS' CLUB.

A large number were in attendance at the meeting of the Chicago Florists' Club, Oct. 6, and some important details were looked after pertaining to the flower show. Among other things it was voted to contribute \$100 to the premium fund and to hold the annual banquet of the club Nov. 10th, at 6:30 p. m., place not decided upon. President Asmus was instructed to appoint a committee of five to complete arrangements. A committee of seven retailers is also to be appointed by the president to arrange for the club's booth for the sale of flowers at the show and another committee to have

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

charge of the other privileges. President Asmus, H. N. Bruns and A. Then were asked to call upon J. T. Klimmer who is ill.

Three applications for membership were proposed. The following were elected: W. P. Kyle, J. Foerster, A. C. Rott, W. Kellsner, Emil Middendorf, A. Christiansen, H. Nicholson, H. Duncke, Fred Smith, J. Dimoecke, J. Byers, J. W. Fink. A special meeting will be held at the usual place Oct. 20.

CINCINNATI FLORISTS' SOCIETY.

The regular monthly meeting of the Cincinnati Florists' Society was held in the club rooms, Jabez Elliott Flower Market, Monday, Oct. 10th. The features of this meeting were very interesting talks on the construction of cement benches by J. A. Peterson and on steam and hot water heating by Max Rudolph.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Coleus.

Public notice is hereby given that the J. W. Ross Company of Centralia, Ill., offer for registration the Coleus described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description—Leaves large to very large; color rich velvety crimson shading outwardly to pink, often having gold blotches in the point; beautifully edged with green and gold.

Name—"Fanny Ross."

H. B. DORNER, Secretary.

October 6, 1910.

CLUB AND SOCIETY NOTES.

The second annual flower show will be held in the Auditorium, Milwaukee, Wis., from Nov. 9 to 13th. It is expected to be the best ever held in this section.

The Pennsylvania Horticultural Society's exhibition of cosmos and early chrysanthemums will be held in connection with the regular monthly meeting, October 18.

The annual Chrysanthemum Show

of the Lenox (Mass.) Horticultural Society will be held in the town hall Oct. 26th and 27th. The judges will be Richard Gardner, Newport, R. I.; Howard Nichols, Yonkers, N. Y., and J. Burton, Bar Harbor, Me.

The Rochester (N. Y.) Florists' Association which has charge of the second annual flower show to be held in Convention Hall five days beginning Nov. 1st., are making elaborate plans which promise to eclipse any similar show ever held in this city.

The florists and nurserymen of Montana met in Helena, Sept. 29th and organized the Florists' and Nurserymen's Association of Montana. Officers were elected as follows: president, T. E. Mills, Helena; vice-president, D. J. Tighe, Billings; secretary and treasurer, W. J. Hugo, Helena.

The Dayton Florists' Club opened its fall-winter season Monday night, October 3, with a session at the J. F. Young establishment, East Fifth St. Committees were named to arrange programs for discussion meetings and to plan work for the future. Municip-

pal beautification plans will be given much attention by the club.

Committees for the Indianapolis Flower Show have been appointed as follows:

Exhibition—John Rieman, chairman; Ernst Rieman, John Heidenrich, F. H. Lemon.

Flower Booth—Charles Pabud, William Roepke, C. Sonnenschmidt, H. D. Schilling, Frank Hasselman.

Entertainment—F. S. Smith, F. B. Alley, W. W. Coles, J. A. E. Haugh, George B. Wiegand, George Gause.

Reception—E. A. Nelson, Charles Knopf, F. Hukriede, A. Marshall.

Press—Herman Junge, Lannes McPhetridge.

Superintendent of Exhibition—John Rieman.

George Wiegand will design the decorations for Tomlinson Hall.

OBITUARY.

Mrs. John Walt.

Viola L. Walt, 43, wife of John Walt, the East end florist, Cincinnati, O., died Sunday, Oct. 9, from injuries sustained when she was struck and run over by an automobile the previous Thursday. The funeral took place on Tuesday and was largely attended and numerous floral tributes showed the esteem in which the deceased was held.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Hyacinths Tulips Narcissus

Best Quality for Forcing and Outdoor Growing

Get your supply now while our stock is complete. Our orders this year average 25% larger than a year ago. This shows our customers are well pleased with VICK QUALITY BULBS. In selecting, our stock we pay more attention to quality than price. Our grower writes concerning our stock:

"We are giving you bulbs of our own growing exclusively, and you may confidently expect large, strong flowers of all varieties. The bulbs ripened in excellent condition, and may be forced much earlier than usual."

WE PREFER TO ADVERTISE THE BEST, NOT THE CHEAPEST.

THE QUALITY WILL BE REMEMBERED WHEN THE PRICE HAS BEEN FORGOTTEN

IF YOU WANT THE BEST QUALITY, OUR PRICES ARE LOW.

Here are some of our leaders:

SINGLE HYACINTHS:

	Per doz.	Per 100
Baron van Thuyll, fine pink.....	.75	\$5.50
Charles Dickens, delicate pink.....	.80	6.00
General Pelissier, brilliant carmine.....	.80	6.00
Baroness van Thuyll, pure white.....	.75	5.50
La Grandesse, pure white.....	.80	6.00
L'Innocence, pure white.....	.80	6.00
Grand Maitre, porcelain blue.....	.75	5.50
King of the Blues, deep blue.....	.75	5.50
	Per 100	Per 1000
Unnamed, separate colors.....	2.25	25.00

SINGLE TULIPS:

	Per 100	Per 1000
Artus	\$1.10	\$9.50
Belle Alliance	2.20	19.50
Cottage Maid.....	1.00	8.50
Keizerskroon	1.30	11.00
L'Immaculee .....	.85	7.00
La Reine	1.00	8.00
Rose Grisdelin	1.10	9.50
Yellow Prince	1.00	8.00
Extra Superfine Mixed.....	.90	7.50

DOUBLE TULIPS:

	per 100	per 1000
Alba Maxima	1.10	9.00
La Candeur	1.30	11.00
Murillo	1.50	13.00
Purple Crown	1.25	11.00
Yellow Rose, assorted fine.....	1.00	8.00
Superfine Mixed, early sorts.....	1.10	8.50

LATE TULIPS:

Gesneriana spathulata	\$1.25	\$10.00
Macrospila .....	.80	7.00
Picotee, assorted fine.....	.85	7.50

NARCISSUS:

Empress	1.75	15.00
Princeps maximus	1.00	7.00
Victoria	1.50	13.00
Emperor	1.75	15.00
Golden Spur	2.00	18.00
Trumpet Major	1.10	9.00

DOUBLE NARCISSUS:

Orange Pheonix	1.25	10.00
Sulphur Pheonix	1.75	15.00
Von Sion, Double Nose.....	2.10	19.00

IT PAYS TO BUY THE BEST NOT THE CHEAPEST

Mention This Paper When Ordering

James Vick's Sons,
Rochester, N. Y.

COMING EXHIBITIONS.

Manchester, N. H., Oct. 20-22, 1910.—Annual Exhibition of the New Hampshire Horticultural Society, Mechanics Hall, Manchester.

Lenox, Mass., Oct. 26-27, 1910.—Tenth Annual Fall Exhibition of the Lenox Horticultural Society, Town Hall; George H. Instone, secretary, Lenox, Mass.

Poughkeepsie, N. Y., Oct. 27-28, 1910.—Annual Flower Show, Dutchess County Horticultural Society.

Glen Cove, L. I., N. Y., Oct. 28-29, 1910.—Chrysanthemum Show of the Nassau County Horticultural Society, Pennbrooke Hall. Secretary, John T. Ingram, Oyster Bay (L. I.), N. Y.

Tarrytown, N. Y., Nov. 1-3, 1910.—Fall exhibition of the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

New Haven, Conn., Nov. 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society,

Music Hall. Frederick H. Wirtz, secretary, 86 Nicoll St., New Haven, Conn.

Rochester, N. Y., Nov. 1-5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association, Convention Hall. Secretary, H. B. Stringer, 24 Stone street, Rochester, N. Y.

Morristown, N. J., Nov. 2-4, 1910.—Annual Exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Pasadena, Cal., Nov. 3-5, 1910.—Fall Flower Show, Pasadena Gardeners' Association, Maryland Hotel. Angus McLeod, secretary, 1632 Alleen avenue, Pasadena, Calif.

Mt. Kisco, N. Y., Nov. 4-6, 1910.—Eighth Annual Exhibition of the Northern Westchester County Horticultural and Agricultural Society, Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Fall Exhibition of Buffalo Florists' Club, Convention Hall. Wm. F. Kastling, chairman of committee.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society, Putnam Phalanx Hall. George W. Smith, secretary, Melrose, Conn.

Chicago, Ill., Nov. 7 to 12, 1910.—Fall Exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Milwaukee, Wis., Nov. 7 to 14, 1910.—Flower Show, Milwaukee Florists' Club, Auditorium.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Exhibition, Coliseum. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis, Mo.

Indianapolis, Ind., Nov. 8 to 12, 1910.—Fall Show, State Florists' Association of Indiana, Tomlinson, Hall. Address A. F. J. Baur, 38th street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., Nov. 9 to 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Horticultural Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

New York, N. Y., Nov. 9-11, 1910.—Seventy-ninth annual fair of the American Institute. Chrysanthemum Show, Berkeley Lyceum Bldg., 19 and 21 West 44th street. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Worcester, Mass., Nov. 10, 1910.—Chrysanthemum Exhibition, Worcester County Horticultural Society, Horticultural Hall. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Horticultural Society at Co. "G's" Armory, Waverly street. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

A lily bulb is a small matter to make so much fuss about.

There would be no need of fuss if we could convince bulb growers that Horse-shoe Brand Lily bulbs will average more blooms per thousand bulbs than any other brand; that they are packed well and keep better; that they are secured from only the finest fields in the world; and that their actual cost is less than inferior goods.

Don't be fooled—at the present time there is no brand put up that will equal Horse-shoe Brand.

You may have a catalog if you write for it—you are not obliged to buy.



Ralph M. Ward & Co.

12 West Broadway,
NEW YORK

Not How Cheap
But How Good

Formosum, Multiflorum and Giganteum ready for delivery.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

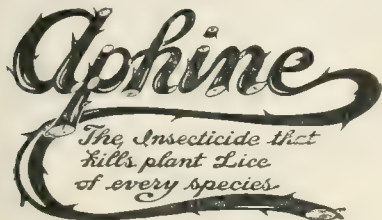
LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.



*The Insecticide that
kills plant Lice
of every species*

FOR "MUMS"

Aphine has no equal among the insecticides on the market today. It has no injurious effect when applied to either foliage or flower. It will not burn or stain, but WILL destroy insect pests to which chrysanthemums are susceptible. Read what Mr. Fritz Bahr reports in the "Week's Work" on his experiments with Aphine from spring up to date, in the Florists' Exchange of October 8th.

\$2.50 per Gallon, \$1.00 per quart.

For Sale by all Seedsmen
Manufactured by

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Crockor Building. San Francisco, California.



HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

WE are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates.

WHOLESALE CATALOGUE ON
APPLICATION FROM FLORISTS

Peter Henderson & Co.

35 and 37 Cortland St., New York

Personal

Mr. Frank Westrich and Miss Kessler were quietly married at Cincinnati on Wednesday, Oct. 5.

Thomas Peterson, recently from Denmark and an old-time friend, is visiting J. A. Peterson, at Cincinnati.

Frank McMahon sustained a painful injury to his foot last Monday morning by having it crushed between the platforms of two cars on the Jersey Central R. R. He had a very narrow escape from serious injury as fortunately no bones were broken.

Among the recent informal engagement announcements is that of Miss Carrie Forkner to P. J. Lynch, formerly of West Grove, Pa. The rumor of the engagement having been afloat for some time, the public announcement comes as no surprise to their many friends who are extending them congratulations and good wishes.

Miss Forkner is the daughter of Judge and Mrs. M. E. Forkner on South Main street, and is very prominent in social circles, being one of the most popular of the younger society women.

Mr. Lynch, with his brother, is the owner of the Heller Brothers Co. and is the local manager. He came here recently from West Grove, Pa., and

immediately became one of the city's best boosters and most progressive citizens. He is a member of the Elks lodge and his popularity and prominence in that order are well known.

The date of the wedding has not been definitely announced, but it will take place some time in November.—*New Castle Daily Courier.*

Visitors in New York: S. S. Pennock and A. B. Scott, Philadelphia; F. Gomer Waterer, London, who sailed for home on Wednesday; John Gibson, Newport, R. I.

Philadelphia visitors: Jno. Walsh, Malden, Mass.; W. C. Langbridge, Albany, N. Y.; H. L. Holmes, Harrisburg, Pa.; F. L. Henry, Henry & Lee, New York City.

Visitors in Boston: Arthur Zirkman, representing M. Rice & Co., Philadelphia; J. J. Karins, representing H. A. Dreer, Phila., Pa.; D. J. Coughlan, Newport, R. I.; Andrew Wilson, Chatham, N. J.

NEWS NOTES.

Memphis, Tenn.—Otto Schwill & Co. are preparing to go out of the greenhouse business.

Colorado Springs, Colo.—The Colorado Springs Floral Co., 104 North Tejon street has assigned its business to F. B. Saurewald. The company stock is valued at \$8679.

Later advices state that the Pike's Peak Floral Co. has taken over the lease, business and fixtures of the Colorado Springs Floral Co. and they will carry on the business at 104 North Tejon street, with Mr. Saurewald as manager.

During Recess

New York Bowlers.

Scores were recorded at the regular games last Friday night as follows:

Scott	156	135	Manda	188	164
Marshall	124	112	Berry	133	133
McArdle	134	110	Holt	119	120
Shaw	131	108	Nugent	99	106
Smith	149	182	Fieser	88	109

There have been several very handsome and valuable prizes provided by friends of the bowling club and interest is likely to increase so long as these inducements hold out at any rate. There is still room for a few more members. The association has rented the Albion alleys at 115 West 23d street, for the season. The club has the use of three perfect alleys, and a private part of the house, on Friday evenings, with the privilege of Monday afternoons previous to the Florists' Club meetings. The officers are: Jos. Manda, president; C. W. Scott, vice-president; John B. Nugent, treasurer, and J. Austin Shaw, secretary.

Chicago Florists' Bowling Club.

Totals for October were as follows:

	First Game	Second	Third
Orchids	781	776	901
Carnations	815	796	739
Violets	827	767	827
Roses	728	728	699

A Florists' Bowling Club was organized at the last meeting of the Cincinnati Florists' Society. The club will bowl the first and third Monday night of each month at Finke & Craig's alleys on E. 6th street, starting Monday, Oct. 17th.

Three Grand New Sweet Peas FOR 1911

Well Worthy of Prominence in
Every Up-to-Date List

"Ethel Roosevelt"

It is a true waved variety of the largest and most perfect Spencer type. There is naturally some variation even in Spencers, and **Ethel Roosevelt** claims the most exclusive Spencer perfection. The ground color is a soft, pleasing primrose, or straw color, overlaid with dainty flakes and splashes of bluish crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. It bunches splendidly and will easily lead in this type of coloring for a long time.

We were unable to plant a large acreage owing to the fact that we had only a little seed to sow for 1910 crop, and, like all good Spencers, it flowered freely but refused to seed.—*Description of the originators.*—MESSRS. C. C. MORSE & CO.

In sealed packets containing 10 seeds each: **Per pkt., 15 cts.; \$1.00 per doz. pkts.; \$7.00 per 100 pkts.** In lots of 500 pkts. or more, \$6.25 per 100 pkts.

In sealed packets containing 20 seeds each: **Per pkt., 25 cts.; \$2.00 per doz. pkts.; \$13.75 per 100 pkts.** In lots of 500 pkts. or more, \$12.50 per 100 pkts.



A Spray of the
Grand New
Spencer,

ETHEL
ROOSEVELT—
Accurately
reproduced
from a
Photograph

"Florence Nightingale"

Florence Nightingale is by far the largest and best Lavender Spencer yet introduced! This statement is warranted by comparative trials at Fordhook and the magnificent field crop at Floradale. Our high opinion of **Florence Nightingale** has been confirmed also by the two leading expert specialists, to whom the originators, MESSRS. ALEX. DICKSON & SONS, of Belfast, had sent a few seeds for advance trial, and whose reports are published by permission in our SPECIAL NOVELTY CIRCULAR.

The flowers are truly magnificent and of immense size. The standard is unusually large and bold, pronouncedly waved, yet standing erect and broad, frequently measuring two inches across. The color is most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose-pink. The large, well-spread wings are of the same coloring, frilled and well waved. It is practically a self color and bunches beautifully,—attracting universal admiration. The plant is extremely robust in growth, flowering most profusely. The stout stems attain twelve to sixteen inches in length and a large proportion bear four well placed flowers, as shown in the illustrations from photograph. **Florence Nightingale** comes entirely true from seed,—both as to color and the highest ideal Spencer type. In sealed packets of small size and at same price as "Ethel Roosevelt."

"Rose du Barri"

This new Grandiflora affords an entirely new shade in Sweet Peas. The name itself suggests the color, which is a lovely combination of deep, rich carmine-rose and orange. While the flower is not of Spencer form or size, yet it is slightly waved and for bouillonieres or table decoration it is "really a gem." Its brilliant beauty must appeal to every lover of esthetic shades.

The plants, of strong, vigorous growth, are wonderfully profuse in bloom,—and every flower is alike! The crops growing at our Fordhook Farms have attracted great attention the past two seasons. One of the leading experts of England,—MR. A. IRELAND, Marks Tey, Essex,—who had a few seeds for advance trial this year, writes: "It is unique and distinct, a charming flower of deep rose color, overlaid with a lovely sheen of terra cotta. Foliage and haulm very dark green. One of the best decorative peas ever introduced. For artificial light it is unsurpassed."

In sealed packets containing twenty seeds each: **Per pkt., 15 cts.; \$1.00 per dozen pkts.; \$7.00 per 100 pkts.;** in lots of 500 pkts. or more, \$6.25 per 100 pkts.

OUR SPECIAL CIRCULAR OF NEW SWEET PEAS is ready to mail to the Trade, who may be interested. Shall we send YOU a copy?

W. ATLEE BURPEE & CO., Philadelphia



A Spray of
FLORENCE NIGHTINGALE—
Engraved from a Photograph

HOW TO PRODUCE NEW PHLOXES.

When you understand it, it is a simple matter.

First, secure the very best; plant them near together, and the bees will mix the pollen and help you out. You can try hand pollenization if you wish, then you know the parentage of your creations, but that is not really essential so you get what you want. There are mysteries in plant life no one can solve. Some plants reproduce themselves, others will not. Pollenize as you will, they pay no attention to you. Some phloxes have a marvelous prepotency, impressing themselves in a remarkable manner on their progeny. *Crepuscle* seems to be the best of all. The seed of this variety crossed with others gives most gratifying results, the peculiar shape and color of the floret, and symmetrical crown show in a decided manner the parentage. It seeds fairly well, so that it is a prime factor in producing new and choice kinds. I have known it to cross with the tender *Coquelicot*, giving as a result a much hardier plant of flowers twice the former size. It is a dwarf, and it takes about three years to come to its best. It will often stagger under its great load of beauty. It is a poor multiplier. You must wait till the plant gets age, and then try propagating from the roots. I have often secured 20 plants from one clump in this way. Some phloxes seem very contrary. For instance, you might sow a bushel of seed from *Cross of Honor* and you would not have one like the parent. Every plant will be of a uniform lilac color. We got so many of this stamp we have named them *Zantippe*. A certain white phlox will not give a single plant with a white flower. They are almost all of a uniform slate shaded pink. *Mad. Muret*, dazzling scarlet, almost always reproduces itself.

It does not take long to know what you are doing with phloxes. Sow the seed in the fall, cover lightly, see that they do not dry while germinating, and they are sure to grow. They love the freezing and thawing, the slush and snow, and slop of spring. The little plants will endure almost anything. Never sow seeds in the spring. I never knew them to grow. They refuse to come up in the hot house. If you grow peonies they come up the second or third year and then you must wait from 3 to 5 years, perhaps longer, for them to bloom. With phloxes it is different. You sow in the fall and they come up and bloom beautifully in the summer. If not crowded and well watered and cultivated, the flowers will be just as fine the first year as ever, and they will have a mass of fine, fibrous roots, making an ideal plant for transplanting.—C. S. Harrison, in *Bulletin 31, Neb. State Hort. Soc.*

CARE OF MEMORIAL TREES, ETC.

A brochure concerning the care of memorial trees, etc., has been written by Professor W. Bock and published by Stoecker & Schöder, Stuttgart. It contains a good deal that is useful and admirable, but one thing is omitted—there is no allusion to the art of the gardener. People of all classes are called upon to help in this useful endeavor—teachers, professors, foresters, apothecaries, in short, all

classes are named excepting those the most eligible, namely, the gardeners. Has no one thought that it is the gardener who is best calculated to preserve the trees and plants from destruction, to propagate such plants, and assist them in their natural growth and development?

FREDERICK MOORE.

CATALOGUES RECEIVED.

Bloodgood Nurseries, Flushing, N. Y.—Autumn Catalogue for 1910.

George Wittbold Co., Chicago, Ill.—Wholesale Price List of Trees, Shrubs, Perennials.

Framingham Nurseries, South Framingham, Mass.—Trade Catalogue for Fall 1910.

Peninsula Nurseries and Bulb Gardens, D. W. Babcock, Berlin, Md.—Trade Bargain List.

F. & F. Nurseries, Springfield, N. J.—Trade List for Fall 1910, with nurserymen's telegraphic code.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, Autumn 1910. A peony in colors on title page.

F. W. Kelsey Nursery Co., New York City—Trees, Shrubs and Hardy Plants. Suggestions and special prices on "Everything Worth Planting."

Good & Reese Company, Springfield, O.—Fall Trade List of Roses and other hardy and tender material, for Nurserymen and Dealers only.

Ellwanger & Barry, Rochester, N. Y.—List of Select Peonies, Phloxes and Irises for Fall Planting. A very choice selection of the most desirable varieties.

Daniel A. Clarke, Fiskeville, R. I.—"Clarke's Handy Flowers," Fall 1910. A very neat little pocket catalogue, containing a very comprehensive list. Illustrated.

E. H. Hunt, Chicago, Ill.—Descriptive Illustrated Price List of the Wittbold Watering System and Cement Bench Construction. Interesting and convincing.

S. S. Pennock-Meehan Co., Phila., Pa.—Timely Offerings in Plants and Florists' Supplies. This is published weekly and sent regularly to applicants in the trade.

Raedlein Basket Co., Chicago, Ill.—New Illustrated Catalogue of Flower Baskets. Send for a copy of this publication. It shows some nice and desirable goods at very low figures.

Eastern Nurseries, Jamaica Plain, Mass., H. S. Dawson, Manager.—Wholesale Trade List. As usual, this is a very select list of hardy material in great variety. It is carefully edited and is valuable as a book for reference.

McHutchison & Co., New York—Wholesale Trade List of Nursery Stock from Vincent Lebreton's Nurseries, France, Autumn 1910 and Spring 1911. This is a very valuable catalogue of hardy and tender material. A telegraphic cypher is given for each item listed.

Decorative Plants

Laurels. Price per pair, from \$4.00 to \$10.00. From \$6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra Value for the Money.

Aucuba Japonica, variegated, in pots. For hotels, etc.; fine, busy plants, well furnished, from 35c to \$3.00 each; also plants for \$4.00, \$5.00, \$6.00 per dozen. Large plants in wooden tubs.

Abies Kosteri, in pots, \$1.50 and \$2.00 each. **Boxwood**, perfect, globular, fine, 35c, 50c, 75c and \$1.00.

Rubbers, single and combinations, 8 to 9-in., from \$1.50 to \$4.00 each; 6-in., \$6.00 per doz.

Araucaria Excelsa, 2 to 2½ feet high, \$1.00 to \$1.50 each.

Araucaria glauca and **robusta**, \$1.25 to \$2.00 each.

Cibotium Schiedei, large plants, \$3.00 each; smaller, \$1.50 each.

Phoenix Roebelenii, young plants, 3-inch, \$2.00 and \$3.00 per doz.; larger plants, \$12.00, \$18.00 and \$24.00 per doz.

Pandanus Veitchii, 5½-in., \$1.00 each; 6-in., \$1.25; 7-in., \$1.50 and \$2.00; 8-in., \$3.00 each.

Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., \$12.00; from 15 to 24 inches high; larger, \$1.50; \$18.00 per doz.

Large Kentias, 11-in. tubs, 6 ft. high \$11.00 each; larger plants up to \$20.00. **Rhapis flabelliformis**, 7 and 8-in. pots, \$3.00 to \$6.00 each.

Small Kentia Belmoreana, 3½-in. pots, \$2.00 per 100; 5 to 5½-in. pots, combinations, doz., \$9.00, \$12.00 and \$15.00; fine.

Cocos Weddelliana, 3½-in. pots, \$15.00 per 100; 2½-in. pots, \$10.00 per 100.

Pandanus Utilis, 10-inch pots, \$3.00 each, four feet high, extra large, \$4.00 and \$5.00 each.

Crotons, 3 x 4-in. pots, \$3.00 and \$4.00 per dozen.

Dracaena fragrans, **D. Lindenii**, **D. Massangeana**, **D. Gracilis**, from \$1.00 to \$3.00 each.

Golden Leaf Privet, fine plants, 4½-in. pots, doz., \$2.00; 100, \$15.00; very fine.

Scholzeli and Pieroni Ferns, well shaped, 8-in. to 9-in. azalea pots. \$1.50, \$2.00 and \$2.50 each. Plants very fine.

Boston Whitmani and Scotti, from 7-in. pans, doz., \$4.00, \$5.00 and \$6.00.

Euonymus, variegated and green, 7 and 8-in. pots, nicely shaped, per pair, \$1.50, \$2.00.

Tradescantia hanging baskets, \$1.00 each. **Maranta Zebrina**, 4 and 4½-in., fine plants, doz., \$3.00 and \$4.00.

Gardenia Veitchii, fine, bushy plants, from 5½-in. pots, well branched, the kind for planting out, \$25.00 per 100.

Pandanus Sanderi, plants from 50c to \$2.00 each.

Chrysanth., for pot culture, from 6 and 7-in. pots, doz., \$6.00; 100 at \$45.00.

Variegated Aspidistra, \$1.50 and \$2.00 each. Plenty of leaves.

Dracaena indivisa, from 6-in. pots, 24-in. and over, doz., \$3.00; 100, \$25.00.

Erica melanthera, ready in pots for Christmas blooming. Now is the time to buy them. 50c to 75c each.

Lorraine Begonias. Buy now. Price will advance. 7-in. pans or pots, \$9.00 per doz.; 8-in. pans, \$1.00 each. All splendid specimens.

Everblooming Crimson Rambler, Flower of **Fairfield**. Year-old plants, \$15.00 per 100. Best novelty in market.

Poinsettias, all sizes, in 6-in., 7-in., 8-in., 10-in. and 12-in. pans. Handsome, healthy stock.

75c for each case and packing.
Cash with order.

ANTON SCHULTHEIS, COLLEGE POINT
L. I., N. Y.

In ordering goods please add "I saw
it in HORTICULTURE."

**PALMS, FERNS AND
DECORATIVE PLANTS**
JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
**LILIES
PLANTS
BAMBOO STAKES**

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000		Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00	Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00	Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00	Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00	Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Canary. Fine large early white, with creamy centre	2.00	15.00		Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00	Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00		Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Candidissima. Sulphur yellow.....	2.00	15.00		Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00		Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy-white	1.50	10.00	90.00
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00		Queen Victoria. A good early white....	1.50	10.00	90.00
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00		Reine des Fleurs. Rosy pink.....	2.00	15.00	
Duchesse de Nemours. An extra fine large pure white	2.00	15.00		Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Delachei. Amaranth red.....	2.00	15.00		Victoire Modeste. Blush rose and white...	1.50	10.00	90.00
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00	Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00		Whittleyi. An old-time favorite white cut flower variety.....	1.50	10.00	90.00
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers.....	1.50	10.00	90.00	Zoe Calot. White, suffused with delicate rose	2.00	15.00	
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00				
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00					
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00				
Hamel. Rosy carmine; fine large flower; late	1.25	8.00	75.00				
Hamel Rosea. Deep rose.....	1.50	10.00	90.00				
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00					

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officialis (Mutabilis) Alba. Blush white.	1.50	10.00
Officialis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officialis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

A FEW SPECIALTIES IN BULBS

NARCISSUS

	Per 100	Per 1000
BICOLOR VICTORIA, selected double-nosed bulbs	1.75	16.00
EMPEROR and EMPRESS. Selected double-nosed bulbs.....	1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs..	2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs	2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs	1.00	7.50
PRINCEPS. Selected double-nosed bulbs.....	1.25	9.50

TULIPS

	Per 100	Per 1000
KEIZERSKROON	\$1.25	\$10.50
LA REINE	1.00	8.00
ROSE GRISDELIN	1.00	8.50
ROSE LUISANTE	1.75	14.50
MURILLO	1.25	10.00
COURONNE D'OR	1.75	14.00
SALVATOR ROSA	1.75	14.00
GESNERIANA SPATHULATA	1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs .....	.75	6.00
FREESIAS, BERMUDA-GROWN. Bulbs $\frac{3}{4}$ to $\frac{1}{2}$ -inch and up in diameter.....	.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.		

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, \$17.50 per case; \$45.00 per 1000.
7 to 9 inch, 200 to the case, \$18.00 per case; \$80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELZELI. Fine plants, 2 $\frac{1}{4}$ -inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2 $\frac{1}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

Agrostis stolonifera and *canina*.

Advices from Europe under date of Sept. 27, indicate that the high price of the common red top (*Agrostis vulgaris*) in America is affecting the prices of the above two more valuable varieties in Europe. Other things being equal, American seedsmen would, of course, prefer to use the *stolonifera* and *canina*, but the low price of *vulgaris* (American grown) has always been a great temptation to use the latter, even if it is not so good. But now they find they might as well use the aristocrats of the *agrostis* family and their orders and inquiries have been very pronounced during the past month or so. The inevitable consequence has been a hardening of prices in these on the other side. In fact there is not enough stock in sight to nearly satisfy the demand and firms who get their orders booked early will be the lucky ones. There will be no European seed of these *agrostis* at any price later, according to good authorities. They are blaming the red top trust in America!

Grass Seed Crops.

The annual report of Barenbrug, Burgers & Co., on this year's crop of natural grass seeds, foreign and American, expresses the opinion that on account of unfavorable summer weather the prevalent high prices on grass seeds will be maintained and that there is a possibility of still further advancement. High prices are quoted on *Achillea millifolium*, *Agrostis stolonifera*, *A. canina*, *Dactylis glomerata*, *Festuca duriuscula*, *D. ovina*, *Festuca elatior*, *F. pratensis*, *F. rubra*, *Poa pratensis*, *P. trivialis*, *Lolium perenne*, *L. italicum*. Moderate figures are given for *Aira caespitosa*, *Alopecurus pratensis*, *Anthoxanthum odoratum*. *Aira flexuosa*, *Anthoxanthum odoratum* *Puelli*, *Avena elatior*, *A. flavescens*, *Cynosurus cristatus*, *Festuca ovina angustifolia* and *Poa nemoralis* will sell slightly lower than last year.

A New Seed and Flower House.

Adam Currie, who for thirty-one years has been secretary and manager of the seed business of Currie Bros. Co., Milwaukee, has severed his connection with the old firm to establish a new one at 130 Wisconsin street, under the name of A. Currie & Co. The new company consists of Adam Currie and his sons, Allister and Herbert. They will conduct a general seed and flower business, together with all lines in connection with this business. Allister Currie was in the employ of Currie Bros. for six years as their traveling representative. Adam Currie was originally from Scotland, and when a young man entered the seed business at London, England, where he remained for two years prior to coming to Milwaukee.

Currie Bros. Reorganize.

There has been a recent change in the officers of Currie Bros. Co., Milwaukee, Wisconsin, James Currie and William Currie, the founders of the firm of Currie Bros., having purchased

the stock of Adam Currie, formerly secretary of the company. The present officers are as follows: James Currie, president; William Currie, vice-president; William B. Currie, secretary and Roy J. Currie, treasurer. Allister J. Currie, son of Adam Currie and formerly the traveling salesman of Currie Bros. Co., retires with his father from participation in the business.

Notes.

A. C. Zvolanek reports an unprecedented demand for his winter flowering sweet peas this season and there will be no surplus after orders now in are filled. These calls are from all parts of the world, even as far away as South Africa.

The Crumbaugh, Kuehn Co., of Toledo, O., says: Clover seed market has ruled quite unsettled this week. Continued liberal receipts and the approach of October deliveries caused considerable outside liquidation and a consequent slump. At the decline there appears plenty of evidence that the trade is more friendly to the buying than to the selling side, and as the situation remains unchanged we look for steadier and firm markets. There is less seed offering from the country and receipts should assume more moderate proportions. Deliveries on October contract were light. The late or medium seed is miserable quality, and this usually betokens poor yield. Hulling returns corroborate this.

CATALOGUES RECEIVED.

Watkins & Simpson, London, Eng.—List of Photo Electros of Vegetables and Flowers.

Stumpp & Walter Co., New York.—Bulbs for Autumn Planting. A cluster of Darwin tulips in sepia adorns the cover page of this interesting catalogue. The book is well illustrated and should sell the goods.

W. W. Barnard Company, Chicago, Ill.—Wholesale Price List of Seeds, Bulbs and Supplies for Florists. This is a very useful list and should be in the hands of every up-to-date florist, for daily reference.

Wm. Elliott & Sons, New York—Autumn Catalogue of Flowering Bulbs. Dark green cover illumined by a brilliant Holland bulb-field view on front

Golden Spur Narcissus

A Peer Among the Single Trumpets

By Far the Best Single Jonquil For Forcing

IS SUCCESS IN FORCING

Is Absolutely Assured When You Plant

Michell's "Distinctive" Quality

EXTRA SELECTED SPECIMEN BULBS

\$1.65 per 100, \$13.25 per 1000

HENRY F. MICHELL CO., 518 & 1018 MARKET ST. PHILADELPHIA

and a group of tulips in colors on back. This is the 65th autumn edition sent out by this long-established house.

Peter Henderson & Co., New York.—Autumn Catalogue. A beauty, with covers resplendent with floral views framed in gold. The book is profusely illustrated and the lists are very extensive, comprising literally "everything for the garden" that is sold in the fall.

R. & J. Farquhar & Co., Boston, Mass.—Autumn Catalogue, 1910. The covers of this splendid publication are in dark green ink, showing Darwin Tulip Beds, and Daffodils in Woodland. The half-tone illustrations are numerous and beautiful and the typographical work is excellent throughout.

INCORPORATED.

Columbus, Ohio.—Cleveland Florists' Exchange, capital stock \$15,000. Incorporators, George W. Smith and others.

Lagrange, La.—E. L. Johnson Seed and Plant Co., capital stock \$3,000. Incorporators, E. L. Johnson, W. J. Cleveland and L. A. Cleveland.

Louisville, Ky.—C. B. Thompson & Co., florists, capital stock \$5,000. Incorporators, Cora B. Thompson, Louis P. Remmers and Joseph L. Able.

Yonkers, N. Y.—Japanese Nursery & Construction Co., to import and sell Japanese plants, shrubs, trees, etc., lay out Japanese gardens and build Japanese tea houses, etc., capital stock \$25,000. Incorporators, Kengo Moriya, Yonkers, N. Y.; H. Brevoort Odell, Yonkers, N. Y.; George W. Dobbs, Yonkers, N. Y.

San Francisco, Calif.—The MacRorie-McLaren Company have incorporated under the laws of the State of California, with a total capitalization of \$75,000.00. The officers of the Company are: Daniel MacRorie, president; Henry Maier, vice-president; Donald McLaren, secretary and treasurer.

This firm has also taken over all the nursery and greenhouse stock of the Stockdale Nurseries, and has opened an office in Burlingame.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.

LEONARD SEED CO.

PRODUCERS AND

WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET CHICAGO

LILIUM CANDIDUM

Extra Bulbs \$5.00 100

WM. ELLIOTT & SONS,
42 Vesey St., New York.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON
348 West 14th St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

VEGETABLE PLANTS

CABBAGE—Wakefield and Succession, 20c. \$1.00 Per 100 Per 1000

LETTUCE—Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c. 1.00

PARSLEY—30c. 1.25

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Reliable Seeds, Sow Now!

	Oz.	Tr.	Pkt.
Forget-Me-Not, Victoria for pots,	\$2.50		\$0.35
Mignonette, Zangen's Triumph,	3.00		.50
Pansies Special Florists' Mixture,	4.00		.50
Stocks, Princess Alice, pure white,	3.00		.50
Beauty of Nice, Carmine, Daybreak,			
Rosy Lilac, Snow White, each separate,	3.00		.50

O. V. ZANGEN Seedsman - Hoboken N. J.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived. (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Pink
Giant White, Giant Blood Red
Giant Excelsior White with claret base
Picturatum Pink with claret base, Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

*Thorburn's
Bulbs*

For Florists for forcing at low prices in cases only.

Lilium Formosum, 6-8,
350 in case @ \$3.00 per 100

Lilium Formosum, 7-9
250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—
send for prices per 1000

Cold Storage Lily of the Valley pips, best German grown. A few left over at \$10.00 per case of 1000, in case lots only.

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Dixon, Ill.—The flower shop of N. L. Long will be moved to Galena avenue.

Burlington, Vt.—The flower store of W. E. Peters will be moved to 137 St. Paul street the first of November.

Sattle, Wash.—E. Fortlouis is successor to Graff's Flower Shop, First avenue and Madison street. The designing and decorating will be under the personal direction of R. W. Schenk.

Detroit.—We learn that some of our florists have elaborate social functions booked as far ahead as New Years. This seems to indicate that the coming season will be all we can desire.

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London...Oct. 15
Minnehaha, N. Y.-London...Oct. 22

Cunard.

Carmania, N. Y.-Liverpool...Oct. 15
Lusitania, N. Y.-Liverpool...Oct. 19
Saxonia, N. Y.-Mediterr'n...Oct. 20
Ivernia, Boston-Liverpool...Oct. 25

French.

La Lorraine, N. Y.-Havre...Oct. 20

Hamburg American.

Pres. Lincoln, N. Y.-Hamb'g...Oct. 19
America, N. Y.-Hamburg...Oct. 22

Holland-American.

Rotterdam, N. Y.-Rotterdam...Oct. 18
Ryndam, N. Y.-Rotterdam...Oct. 25

Leyland.

Devonian, Boston-Liverpool...Oct. 19

North German Lloyd.

Kronp. Cecilia, N. Y.-Bremen...Oct. 18
G. Washington, N. Y.-Br'm'n...Oct. 20
Konig Albert, N. Y.-Medit'n...Oct. 22

Red Star.

Kroonland, N. Y.-Antwerp...Oct. 15
Finland, N. Y.-Antwerp...Oct. 22

White Star.

Cedric, N. Y.-Liverpool...Oct. 15
Zeeland, Boston-Liverpool...Oct. 18
Adriatic, N. Y.-Southampton...Oct. 19
Arabic, N. Y.-Liverpool...Oct. 22
Canopic, Boston-Mediterr'n...Oct. 22

NEW FLOWER STORES.

Jackson, Mich.—H. M. Burt.

Wilksburg, Pa.—J. L. Gilsey,
Wood street.

New Rochelle, N. Y.—Roy & Bassi,
104 Main street.

Harrisburg, Pa.—I. W. Hoffman, 809
North 3rd street.

Waterbury, Conn.—George T. Ryan,
24 E. Main street.

Detroit, Mich.—Miss Hattie Holz-
hauer, 20 John R street.

East Las Vegas, N. Mex.—Perry
Onion, 617 E. Lincoln street.

Pittsburg.—Gilbert P. Weaklen &
Co. announce the opening of Weak-
len's Flower Shop at 130 South High-
land Ave., East End, Saturday, Octo-
ber 8, 1910.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

The Flower Show.

An office for the committee in charge of the Chicago Flower Show, Nov. 7-12, with Geo. Asmus president, was opened Monday at 45 Wabash avenue in the cut-flower department of the Winterson Seed Store. Harry Yager, who assisted last year, will be on duty again. Indications are that the flower show this year will outdo any hitherto held, and letters asking for exhibition space are coming in with every mail. Plans for the laying out of the floor have been submitted by leading landscape gardeners and the designers are at work on the posters. It is to be regretted that the show will not cover one Sunday, but the building must be vacated for the Land Show which follows it. The largest amount of money ever offered for premiums here is to be won by exhibitors and the premium list will be sent upon application to Flower

Show Office, 45 Wabash Ave., Chicago.

Trade Jottings.

Most of the growers now have their bulbs planted and, as usual, have planted more than the previous year.

The E. H. Hunt Co. has just received a large shipment of fancy baskets imported dried from Holland and Germany.

The Alpha is now as attractive as the decorators can make it. With its large frontage on two streets it presents a very fine appearance.

Frank Oechsli has received a car load of azaleas which have stood the journey in good shape and are well supplied with buds. Another car load is on the way.

Leonard Lawson of Rockford, Ill., sold out his greenhouse business two years ago and has started in again this fall with one large new house, to which he will add more in the spring.

The Chicago Carnation Co. are now nicely established in their new quarters, at 203 Atlas Block. Miss Nettie Parker, who has been in charge of the office nearly five years at Joliet, came with the firm to take charge here.

H. M. Burt is in Chicago selecting fixtures for a new store which he will open Oct. 22nd on Main street, Jackson, Mich. Mr. Burt was formerly of Burt & Coggan, Battle Creek, Mich., and sold out his interest to S. W. Coggan.

Friedman's new store opened Oct. 11 under the name of the Congress Floral Co., at 226 Michigan Ave. The new ice box which has caused some delay, is finished in mahogany and cold air takes the place of ice—a feature much appreciated by those in charge, owing to its advantages in point of cleanliness. The floor of the window is constructed of red brick with a two foot wall at the back. This is artistic and the color goes well with the red tile floor of the store and mahogany furnishings. The store is in charge of Wm. Graff, Jos. Beeber and Tillie Mayr, all well known to the trade.

Personal.

Julius Schnopp of the Alpha is again on the sick list.

A. L. Randall returned Friday from his Michigan farm and will devote his time to the store for the winter season.

Friends of J. T. Klimmer are pleased to learn that he is somewhat improved and trust that he will again regain his health.

Ernest Farley has accepted a position with the Percy Jones establishment, where with his past experience in the wholesale houses he will prove valuable help.

Visitors: Mr. Morgan of Adams. Morgan & Co., Paxton, Ill.; H. M. Burt, Jackson, Mich.; Leonard Lawson, Rockford, Ill.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 918 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards. N. E. cor. 44th St. and Madison Ave.
New York—International Floral Asso., 1328 Broadway.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

Chrysanthemums

White—Pink—Yellow \$2.00—\$3.00 per dozen
October Frost—Golden Glow—Polly Rose—Pacific Supreme

Bronze Galax
\$7.50 per Case

Wild Smilax
\$5.00 per Case

Splendid Stock—Try a Case

Delivery on Receipt of Order

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Oct. 11	TWIN CITIES Oct. 11	PHILA. Oct. 11	BOSTON Oct. 13
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	28.00 to 35.00	25.00 to 30.00	15.00 to 25.00
“ Extra	20.00 to 25.00	20.00 to 25.00	18.00 to 20.00	10.00 to 15.00
“ No. 1	10.00 to 20.00	10.00 to 20.00	12.00 to 15.00	6.00 to 8.00
“ Lower grades	6.00 to 10.00	5.00 to 10.00	4.00 to 8.00	1.00 to 3.00
Bride, “Maid, Chateaux, F. & S.	5.00 to 8.00	4.00 to 8.00	5.00 to 6.00	2.00 to 4.00
“ Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	.50 to 2.00
Killarney, Richmond, Fan. & Sp.	6.00 to 10.00	6.00 to 10.00	5.00 to 8.00	3.00 to 6.00
“ Lower grades	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00	1.00 to 2.00
Kaiserin, Maryland, Fan. and Sp.	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 8.00
“ Lower grades	2.00 to 3.00	3.00 to 6.00	2.00 to 4.00	1.00 to 5.00
CARNATIONS, Nov. and Fan.				
Ordinary	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
“	2.00 to 3.00	1.00 to 2.00	1.00 to 1.50	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	30.00 to 60.00	35.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum	12.00 to 15.00	12.00 to 15.00	..... to 12.50	6.00 to 10.00
“ Speciosum .....	..... to .....	..... to .....	..... to	2.00 to 3.00
Lily of the valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Asters	1.00 to 2.00	2.00 to 3.00	..... to .....	.75 to 1.00
Violets .....	.75 to 1.00	.50 to 1.00	..... to .....	.35 to .60
Snopdragon .....	..... to .....	..... to .....	..... to	1.00 to
Gladioli	2.00 to 4.00	3.00 to 7.00	..... to	2.00 to 4.00
Chrysanthemums	15.00 to 30.00	15.00 to 25.00	12.00 to 25.00	12.50 to 25.00
Gardenias .....	..... to .....	..... to	10.00 to 20.00	20.00 to 25.00
Adiantum .....	..... to .....	..... to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	10.00 to 12.00	12.00 to 14.00	12.50 to 13.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	40.00 to 75.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
“ “ & Spren. (100 bchs.) ..	70.00 to 30.00	24.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOM SPRAYS, 75c., 100. GREEN SHEET MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Flower Market Reports.

BOSTON Flower market conditions remain about the same as one week ago. Seasonable crops, such as chrysanthemums, violets and the first general cut of roses are getting headway and are getting more plentiful each day with prices either stationary or tending downward. Carnations are also increasing in quantity, the colored ones selling slowly, but the whites holding their own in satisfactory manner. White roses are also the best sellers, together with the increasingly popular yellow, Aaron Ward. Killarney sells very well considering its abundance, while Bride and Bridesmaid seem to have been forsaken by all buyers, big and little and unless the situation takes a turn the man with either of these on his hands has a mighty hard winter before him. Lily of the valley and American Beauty, ordinarily among the best sellers, are this week at the tail-end of the procession as to demand. Cattleyas are plentiful.

CHICAGO Chrysanthemums, as usual at this season, eclipse all other flowers. Stock of this fall favorite seems to be all that could be desired. Rosierre made its appearance last week and with five varieties now in, the season may be considered fairly opened. Retailers report the past week as rather dull. No killing frost has yet visited this section and the market is almost overfilled with autumn leaves, prairie flowers and out-of-door stock in general. The coming in of chrysanthemums and violets, while there is such an abundance of other stock is having its effect. Carnations are the nearest to being scarce of any flower, while there are still asters enough to use as substitutes by the purchaser who does not care to pay the price. Violets, both home-grown and New York, are here in abundance, the latter not always arriving in first-class condition. Roses of all kinds are plentiful and of excellent quality.

CINCINNATI Business continues good. Stock has shortened up considerably since last report. Beauties are especially fine and bringing better prices. The shortage of tea roses was the most noticeable in pink. The supply of carnations, while on the increase, is not sufficient to meet the demand. The outlook for a larger supply the coming week is very bright. Chrysanthemums are coming in increased quantities. White are cleaned up on arrival, while yellow move more slowly. The supply of Lillium longiflorum was very limited. Lily of the valley cleans up daily. Violets have made their appearance and are not satisfactory. Green goods are in fair supply and demand.

PHILADELPHIA We had a few very hot days last week, which hurt business and stock considerably; but on the whole, trading kept up fairly well, and the record stands as reasonably satisfactory—all things considered. Chrysanthemums are now beginning to show some form and are distinctly the popular favorite in the



1000 YARDS 4 SALE

Tying Tape Special

A new Pennock-Meehan introduction for tying boxes and packages. It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1,000 YARD SPOOL, \$1.75

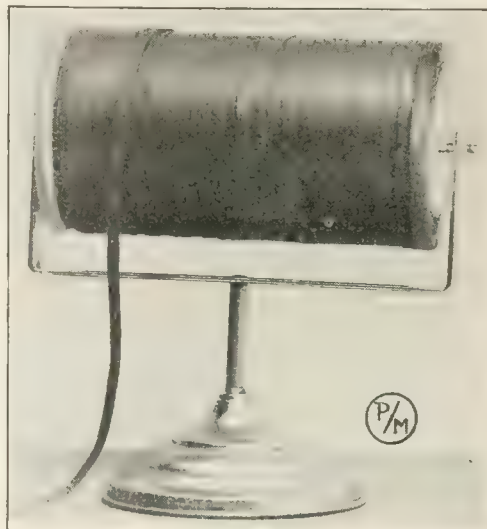
Stock Colors: Foliage green, violet, red, light blue and white.

We can furnish special colors to match any color box on three weeks' notice.

Tape Reels or Holders

Gun Metal and nickel plated; an elegant counter requisite.

\$1.50 EACH



We are now booking orders for March delivery of Robert Scott & Son's New Roses:

Melody, yellow, - - - - - \$2.00 per 1000
Double Killarney, pink sport from White Killarney, a full double flower, - - - - - \$1.50 per 1000

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK

PHILADELPHIA

WASHINGTON

109 W. 28th Street

1608-1620 Ludlow Street

1212 New York Ave.

WHOLESALE FLOWER MARKETS. PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 11		Oct. 11		Oct. 11		Oct. 11	
ROSES								
Am. Beauty, Fan, and Sp.	25.00	to 30.00	30.00	to 35.00	20.00	to 25.00	15.00	to 20.00
" Extra	20.00	to 25.00	25.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" No. 1	15.00	to 20.00	15.00	to 22.00	7.00	to 10.00	6.00	to 8.00
" Lower grades	4.00	to 10.00	4.00	to 12.00	4.00	to 6.00	.....	to 4.00
Bride, 'Maid, Chateaux, F. & S.	4.00	to 6.00	6.00	to 8.00	7.00	to 8.00	6.00	to 8.00
" Low gr.	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	7.00	to 8.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Maryland, Fan. and Sp.	4.00	to 6.00	6.00	to 8.00	3.00	to 4.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelty and Fancy	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	.....	to 2.00
" Ordinary	1.00	to 1.50	1.50	to 2.00	1.00	to 2.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to 40.00	40.00	to 60.00	50.00	to 60.00	.....	to 100.00
Lilies, Longiflorum	10.00	to 12.50	15.00	to 20.00	8.00	to 12.00	10.00	to 12.00
" Speciosum .....	.....	to 4.00	.....	to 4.00	3.00	to 4.00	.....	to 4.00
Lily of the Valley .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters .....	.....	to 2.00	.....	to 2.00	.25	to 1.50	.50	to 2.50
Violets .....	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Snapdragon	2.00	to 4.00	1.00	to 3.00	.....	to 2.00	.....	to 2.00
Gladioli	2.00	to 4.00	3.00	to 6.00	.....	to 2.00	.....	to 2.00
Chrysanthemums	20.00	to 25.00	20.00	to 25.00	10.00	to 25.00	10.00	to 20.00
Gardenias .....	.....	to 1.00	1.00	to 1.50	.....	to 1.25	1.00	to 1.25
Adiantum .....	.....	to 12.50	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Smilax	10.00	to 25.00	.....	to 25.00	40.00	to 60.00	30.00	to 50.00
A. variegatus Plumosus, strings (100) ..	15.00	to 25.00	80.00	to 30.00	35.00	to 50.00	30.00	to 50.00
" " & Spre. (100 bchs.) ..	15.00	to 25.00	80.00	to 30.00	35.00	to 50.00	30.00	to 50.00

(Continued on page 551)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
**Greater New York
Florists' Association, Inc.**
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**
THE HIGHEST GRADE OF VALLEY ALWAYS
ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Oct. 8 1910		First Half of Week beginning Oct. 10 1910	
American Beauty, Fancy and Special.....	5.00	to 25.00	15.00	to 25.00
" " Extra.....	13.00	to 15.00	10.00	to 15.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Ald, Chateaux, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Richmond, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Carnations, First Quality.....	2.00	to 3.00	2.00	to 3.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664 { Madison Square
1665
CONSIGNMENTS SOLICITED

Frank H. Traendly (Charles Schenck)
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. {1519 { Mad. Sq. 113 W. 28 St., New York.
5883

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Flower Market Reports

(Continued from page 549)

market at present, being in good demand and bringing very fair prices. Dahlias are still a strong factor, of course, but we have had a surfeit of them for so many weeks that, good as they are, we welcome a little change. That's why the chrysanthemum looks so good to most of them at present. Monrovia, one of the good yellows, is now prominent; and Polly rose in white and Pacific in pink are also seen in liberal quantities. Conditions in the rose market remain still on the scarce side—all the growers cutting only limited quantities. This is especially the case with Beauties, Richmonds, and Liberties. Marylands and pink Killarneys are perhaps a little more plentiful. White roses are moving well—Kaiserin in the lead, with White Killarney a close second. In carnations the quality remains about the same. The most conspicuous at present are Enchantress, White Perfection, Beacon, and Pink Delight. The flush in the orchid crop seems to have abated—these not nearly so abundant as noted at last report. Lily of the valley is also a little more plentiful. There are a few single violets and sweet peas to be seen around. Not very good yet. The cool weather of the past few days has shortened up gardenias. Cosmos is now at its very best. Fine long stemmed stock with big flowers and excellent substance.

Wholesalers are experiencing a very quiet period this week. Stock comes in freely and prices are away down on most lines. No fault can be found with quality, which is very satisfactory as a rule. The apathy in trading is general among all classes and the low-price establishments and street men are having no better success than their fellows who do business in the more fashionable neighborhoods. Chrysanthemums are now multiplying rapidly with prices ruling considerably lower than they were a week ago. Roses have taken a drop but not so severe as some other things, the white varieties selling fairly well. Cattleya labiata has jumped from the scarce side to the overstocked side and quantities are left on the hands of the dealers who are glad to consider prices fifty per cent or more below the figures easily obtainable but a few days ago. Violets are on the increase, but the weather has been rather too summery for their comfort and the blooms are

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Oct. 8 1910		First Half of Week beginning Oct. 10 1910	
Cattleyas.....	20.00	to 30.00	20.00	to 30.00
Lilies, Longiflorum.....	5.00	to 6.00	5.00	to 6.00
" Speciosum.....	.....	to .....	.....	to
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.....	to .....	.....	to
Violets.....	.20	to .50	.20	to .50
Snapdragon.....	.....	to .....	.....	to
Gladiol.....	.....	to .....	.....	to
Chrysanthemums.....	5.00	to 30.00	5.00	to 30.00
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	15.00	to 25.00	15.00	to 25.00
" " & Spren. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

not of much account just at present. There is the usual demand at this season for autumn tinted oak foliage. Crotons are effectively used in association with these and chrysanthemums for window decorations. Cosmos is in by the cart load but is not in much favor apparently. Lilies are of splendid quality and there are lots of them at figures a shade lower than last week.

To the list of flowers given in our tabulated price quotations in the various wholesale centres we might casually add the following, which realize approximately the figures annexed: Dahlias, \$1 to \$3 per 100; Dendrobium formosum giganteum, 35 to 50c.; Oncidium varicosum Rogersii, \$1.50 to \$3; Cypripediums, \$12.50 to \$15; Cosmos, 25 to 50c.; Tuberose spikes, \$2 to \$3; Tritomas, \$2 to \$3; Bouvardia, \$1 to \$2; Adiantum Croweanum brings 50 per cent. more than ordinary cuneatum; Farleyense \$15.

NEWS NOTES.

Pittsburgh, Pa.—The Breitenstein Co. will discontinue business.

Homestead, Pa.—E. N. Noon has purchased the store of W. D. Faulk.

St. Louis, Mo.—The National Floral Co. is about to move to 471 Twelfth street.

New York, N. Y.—Oscar Hauschild is now in the employ of Harry Gessner, 1256 Broadway.

Stoneham, Mass.—The business formerly conducted by D. J. McKay & Co. is now run by Thomas Murray.

Washington, D. C.—Through a gasoline explosion next door on Sept. 23rd, James Lewis of 14th street suffered a loss of \$250 by fire.

Rome, N. Y.—Edward H. Kipp has bought out his partner's share of the firm of Kipp & Edwards, florists, 408 Elm street, and will continue the business.

Chicago Heights, Ill.—The partnership of Weberg & Peterson has been dissolved, Mr. Peterson buying Mr.

Weberg's interest and continuing the business in his own name.

Battle Creek, Mich.—The partnership of Burt & Coggan has been dissolved, but Mr. Coggan will continue the business. H. M. Burt will locate in Jackson, Mich.

Pittsfield, Me.—A. J. Loder has purchased the greenhouses of Carl Beers, Bangor, and will move them here and rebuild them in connection with his present houses.

Pittsburg, Pa.—E. C. Ludwig, the north side florist, has purchased a farm in Adams township and expects to erect a number of greenhouses on same.

Baltimore, Md.—A. J. Hilscher has purchased of his brother-in-law, John Schuncke, the greenhouses and store, 2505 East North avenue. Mr. Schuncke intends to devote his attention hereafter to his store, 1302 E. Baltimore street.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ACHILLEA

Achillea, The Pearl, field-grown clumps, \$2.50 per 100, \$20.00 per 1000. Wagner Park Conservatories, Sidney, Ohio.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

AMPELOPSIS.

Ampelopsis Veitchii, 2½-in., fine stock \$5.00 per 100. Wagner Park Conservatories, Sidney, Ohio.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Heller Bros. Co., New Castle, Ind.
For page see List of Advertisers.
Asparagus Sprenger, 2, 3 and 4 in., \$1.50, \$3.00 and \$5.00 per 100. H. Klahr, Schoharie, N. Y.
Asparagus Sprenger, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. Luther Maynard, R. 13, Knoxville, Tenn.
Asparagus Sprenger, strong, thrifty 4-in., \$8.00 per 100. M. M. Lathrop, Cortland, N. Y.
Asparagus Sprenger, 3 in., strong, \$3.00 per 100. The Schafer Estate, Ballston Spa, New York.

AUCTION SALES

Wm. Elliott & Sons, New York, N. Y.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and I'blox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
Superior Bulbs.
For page see List of Advertisers.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
CANNAS—Real sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
For page see List of Advertisers.

CARNATIONS—Continued

Carnation Plants—Field grown, fine Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, \$5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

Field-grown carnation plants.
Enchantress\$6.00 105 \$50.00 1000
Winona 6.00 100 50.00 1000
Aristocrat 4.00 100 35.00 1000
Des Plaines Floral Co., Des Plaines, Ill.

First-class field plants, Boston Market and Lawson Enchantress, \$3.50 and \$4.00 per 100. Order quick. A. W. Meyer, South Holland, Illinois.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. Parks & Schaufelberger, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Cyclamen seedlings, mixed colors of choice varieties, \$1.50 per 100. H. Klahr, Schoharie, N. Y.

DAHLIA

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.
Herbert, Acto, N. J.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Queen Alexandra Daisies from 2 in. pots, \$2.00 per 100. Cash. E. O. Perry, Berlin, Mass.
Daisies, Bellis, giant double mixed, 100, 30c.; 1000, \$2.00. Chas. Frost, Keenlworth, N. J.

For List of Advertisers See Page 557

DECORATIVE PLANTS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.
- Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

DRACAENAS

1000 Dracaena Indivisa, strong plants from field 10c., 15c., 20c. Boston Ferns, 5 inch 30c., 7 inch 75c. Whitmanii, 5 inch 30c., 7 inch 75c. Elegantisima, 5 inch 30c., 7 inch 75c. Ferns for dishes \$3.00 per 100. Bannister Bros., Syracuse, N. Y.

Dracaena indivisa, fine strong plants, 2 in. pots, \$2.00 per 100. Cash. F. A. Albrecht, Jr., 90 Vanderveer St., Brooklyn, N. Y.

Dracaena indivisa, transplanted, 12-in. high, \$1.00 per 100. M. M. Lathrop, Cortland, N. Y.

1000 Dracaena Indivisa. Strong field-grown plants, heavy. 10, 15, 20c. Cash with order. F. S. Follwell, Pittsfield, Mass.

To Exchange—300 Dracaena indivisa, fine, heavy, field-grown, for primulas, cyclamen, begonias or other blooming plants. Wilfrid Wheeler, Concord, Mass.

EVERGREENS

- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Robbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc., West Newbury, Mass.

FANCY BASKETS

The Raedleln Basket Co., Chicago, Ill.
For page see List of Advertisers.

PERNS

- A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Frank Oechlein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
- Heller Bros. Co., New Castle, Ind.
For page see List of Advertisers.
- Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Bench Boston Ferns, strong, clean, healthy stock, for 4 and 5 in. pots \$10.00 per 100, cash. F. Sokol, Worcester, Mass.

Nephrolepis Whitmanii, Superbissima, Schoelzeli and Scottii, 5 in. pot plants, \$4.00 per doz., \$25.00 per 100.

The Storrs & Harrison Co., Painesville, O.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

- Boston Florist Letter Co., 68 Pearl St., Boston, Mass.
For page see List of Advertisers.
- W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
For page see List of Advertisers.
- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
For page see List of Advertisers.
- Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

- W. H. Ernest, 28th and M Sts., Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.
- Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.
- Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FORGET-ME-NOTS

Winter flowering forget-me-nots, made from cuttings, fine plants, 3-in. pots, \$3.00 per 100. Cash with order. R. Pritchard, 6th and Flushing Aves., Astoria, L. I. City, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.
- Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

- B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
- B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.
- Geraniums, rooted cuttings of Nutt, Buchner, Grant, Poitevine, Perkins, Vland, Hill, \$10.00 per 1000. M. M. Lathrop, Cortland, N. Y.
- Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

- Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.
- Standard Plate Glass Co., 28-30 Sudbury St., Boston.
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
For page see List of Advertisers.
- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
For page see List of Advertisers.
- Farnhelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1183 Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham Co., 1183 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co., 1183 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSES FOR SALE

H. F. Crawford, Brockton, Mass.
For page see List of Advertisers

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1183 Broadway, N. Y.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREVILLEA

Grevillea robusta—Strong, 2½ in. pots, \$4.00 per 100. Chas. Lenker, Freeport, N. Y.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1183 Broadway, N. Y.
- King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 3 in., 1 crown, \$5.00 per 100; 4 in., 2 to 3 crowns, \$10.00 per 100; 7 in., 8 to 12 crowns, \$35.00 per 100; 9 in., about 20 crowns, 50c. each. Cash. F. Sokol, College St., Worcester, Mass.

Field-grown Hydrangea Otaksa, 6 crowns or more, \$10.00 per 100. The Schafer Estate, Ballston Spa, New York.

INSECTICIDES

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Orono, Me.
For page see List of Advertisers.

Stumpp & Walter Co., New York
Killed Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

Iris Germanica, honorabilis, atropurpurea, Mme. Chereau, Queen of Gypsies, spectabilis, Virgil's, Walneri; field-grown, \$2.50 per 100, \$25.00 per 1000. Japanese, mixed, \$6.00 per 100. Wagner Park Conservatories, Sidney, Ohio.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries, 4 in., \$10.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

KENTIAS — Continued

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LAND LEVELS

Bostrom-Brady Mfg. Co., Atlanta, Ga.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.

For page see List of Advertisers.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM CANDIDUM

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

LILIUM FORMOSUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Lilium formosum, 7 x 9, \$19.50 per case of 300 bulbs. August Rolker & Sons, P. O. Box, 752, New York, N. Y.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson, N. Y.

For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Hay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
Carolina and Lombard Popular.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ehlwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.

Bander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

ORCHID PLANTS—Continued

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 800 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

Young Ptychosperma Alexandrae seedlings in surplus. Make us offer for quantity you need, per 100 or 1000, postpaid. Royal Palm Nurseries, Oneco, Florida.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100. cash. F. Sokol, Worcester, Mass.

PANSIES

20 varieties of giant flowering pansies, in separate colors or mixed, \$2.50 per 1000. Chas. E. Sharp, Mt. Vernon, Ohio.

Kenilworth strain of Giant Pansy plants, 100, 50c.; 1000, \$3.00. Chas. Frost, Kenilworth, N. J.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in. \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PERENNIALS

EXTREMES MEET!

MINIMUM COST. MAXIMUM QUALITY.

This is demonstrated fully in our 1910 catalogue of

PERENNIALS AND OTHER

HARDY PLANTS

which we grow exclusively by the acre. Free for the asking.

PALISADES NURSERIES, INC.

SPARKILL, NEW YORK.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 406 Erie St., Chicago.
For page see List of Advertisers.

Barton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1123 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids Iowa

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Poinsettias, strong plants, 2 1/4 in. \$5.00 per 100, cash. F. Sokol, Worcester, Mass.

PRIMULAS

Frank Oechslein, 4911 Quincy Street, Chicago.

For page see List of Advertisers.

BLAZING TORCH. finest novelty in Chinese primroses. The most dazzling intense scarlet, large flowering fringed; even the roots are the color of beet roots, which is unlike other variety. Strong plants, ready for 4-in. pots, \$7.00 per 100. Stock limited. John F. Rupp, Shiremanstown, Pa.

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O.

Primroses, strong 3 in., \$5.00 per 100. Yellow Kewensis, strong 2 in., \$3.00 per 100. H. Klahr, Schoharie, N. Y.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

PUBLICATION

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

R. S. Pennock-Meehan Co., Philadelphia, Pa.

For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

The Rose by H. B. Ellwanger, mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.

For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Fliske, Rawson Co., Boston, Mass.
Cyclamen Seed.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Ruds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

George C. Watson, Philadelphia, Pa.
Sweet Pea Christmas.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

SMILAX

Heller Bros. Co., New Castle, Ind.
For page see List of Advertisers.

Smilax, 2 in. cut back, \$1.50 per 100.
Chas. Frost, Kenilworth, N. J.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Piereson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VINCAS

Vinca variegata, field-grown, \$5.00 per 100. Steria, 5 in. pots, \$6.00 per 100. Or. will exchange for Boston Violets, or any desirable stock. Charles H. Green, Spencer, Mass.

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Violets—Princess of Wales, healthy, field-grown, \$5.00 per 1000. Chas. Lenker, Freeport, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich

Wirework Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100. The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.

For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Foehmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.

For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N.6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

WHOLESALE FLORISTS —**New York — Continued**

- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Sloan, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York,
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

- Leo Niessen Co., 1200 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.**BULBS FOR FALL PLANTING.**

- The New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.

FLORISTS AND DECORATORS.

- Hollywood Gardens, Seattle, Wash.
For page see List of Advertisers.

GOLDEN SPUR NARCISSUS.

- Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.

HYACINTHS, TULIPS, NARCISSUS.

- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM.

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

NEW SWEET PEAS.

- W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

SUPERIOR BULBS.

- Peter Henderson & Co., New York, N. Y.
For page see List of Advertisers.

WHEAT WREATHS.

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

WILD SMILAX.

- Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

U. S. DEPARTMENT OF AGRICULTURE.**Some Foreign Plant Introductions.**

Agropyron spp. (Gramineae.) 28306-308. From Russia. Received through Prof. N. E. Hansen. 28306. "This is considered a very valuable grass, native of the driest steppes of Eastern Russia and a large part of Siberia. The chemical analysis of this plant has attracted the attention of the Russian Government agronomists, indicating a higher per cent. of protein than alfalfa. If this holds true under cultivation in the United States it may be a valuable addition to our western grasses. Prof. R. W. Williams, of the Imperial Agricultural College at Moscow, Russia, is improving this species by selection from individual plants. The present sample is selection No. 1. The original seed was gathered growing wild in the Turgai Province, the

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

dry steppe region in Western Asia, just north of the Sea of Aral." (Hansen.) 28307. "A grass native of the dry steppes of Eastern European Russia and Western Siberia. The present lot is selection No. 1, grown from a single plant by Prof. R. W. Williams." (Hansen.) 28308. "A native grass collected on the Russian Pamir plateau near the border of India. The present sample is selection No. 1, by Prof. Williams." (Hansen.) For distribution later.

Combretum comosum. (Combretaceae.) 28288. A pretty ornamental shrub from Port Louis, Mauritius. Presented by Mr. G. Regnard. For distribution later.

Eremurus sp. (Liliaceae.) 28266. From mountains near Bacharden, Turkestan. An ornamental *Eremurus* growing on dry mountain slopes between rocks and on stony debris. It has columnar spikes of rosy purple flowers. (Meyer's introduction.)

Impatiens spp. (Impatiensaceae.) 28267-273. Seven species of *Impatiens* from Peradeniya, Ceylon. Presented by Dr. J. C. Willis, director, Royal Botanic Garden. For distribution later.

Larix sibirica. (Pinaceae.) 28182. Siberian larch. From Helsingfors, Finland. Presented by Miss Alexandra Smernoff. For distribution later.

Liquidambar formosana. (Hamamelidaceae.) 28157. Mow Fong tree from Wuchang, Hupeh, China. Presented by Director Whong, Chinese Government College of Agriculture. For distribution later.

Machilus sp. (Lauraceae.) 28128. From Yachow, West China. Presented by Mr. H. J. Openshaw. "A splendid hard wood tree which I think ought to grow in the lower altitudes. It is insect proof and is almost as hard as teak." (Openshaw.) For distribution later.

Malvaviscus sp. (Malvaceae.) 28283. Collected by Messrs. Rose, Standley and Russell at Mazatlan, Mexico. "Shrub or small tree, 10 to 20 feet high, with large, cordate leaves. The scarlet flowers are very attractive and are followed by globular scarlet fruits. This tree is cultivated in patios at Mazatlan, and I would suggest trying these seed in Florida and Southern California, and the growing of a few in your greenhouses here." (J. N. Rose.) For distribution later.

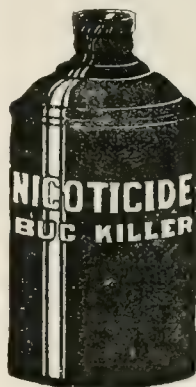
Momordica zeylanica. (Cucurbitaceae.) 28284. Collected by Messrs. Rose, Standley and Russell, near Culiacan, Mexico. "A vine climbing to a height of from 10 to 20 feet, forming a dense mass of foliage and producing an abundance of small, orange-colored fruits which open, exposing the bright scarlet seeds. More delicate and attractive than the other species in cultivation. A splendid climber for trellis work." (J. N. Rose.) For distribution later.

Prunus avium. (Amygdalaceae.) 27771. From Tiflis, Caucasus, Russia.

A native Caucasian variety of cherry called Sari-Gilaz. Fruits large, heart-shaped, slightly compressed from the sides; color yellow; flesh light yellow, slightly translucent; taste sour-sweet; stone large, slightly oval, easily separated from pulp. Ripe beginning of June. A very prolific bearer. (Meyer's introduction.)

Tabebuia sp. (Bignoniaceae.) 28285. Collected by Messrs. Rose, Standley and Russell at Alamos, Mexico. "A tree 20 feet high. Produces an abundance of large yellow Catalpa-like flowers, which appear before the leaves. The leaves are compound and somewhat like the horse-chestnut. It would be a desirable ornamental shrub or tree for the arid parts of the Southwest." (J. N. Rose.) For distribution later.

Trachycarpus excelsus. (Phoeniceae.) 28179-180. From Wuchang, Hupeh, China. Presented by Director Whong, Chinese Government College of Agriculture. "A dwarf palm, trunk covered with hair. For lawn decoration, or garden." (Husbands.) For distribution later.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

**P. R. Palethorpe Co.
OWENSBORO, KY.**

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 200 lbs. 14.00 2000 lbs. 52.50

Shumpp & Walter Co. 50 Barclay St. New York.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

List of Advertisers

Page	Page
Advance, The Co. 509	Krick, W. C. 551
Allen, J. A. 509	Kroschell Bros. 559
American Nursery 528	Kuebler, W. H. 561
Aphine Mfg. Co. 539	Lager & Hurrell 526
Armstrong Mfg. Co. 557	Landscape Architecture 528
Aschmann, G. 526	Langjahr, A. H. 550
Badgley, Reidel & Meyer 550	Lawrence, H. V. 546
Banner, J. L. 551	Leonard Seed Co. 545
Barnard, W. W. Co. 545	Leuthy, A. & Co. 527
Barrows & Son 526	Loug, W. H. 546
Bayersdorfer, H. & Co. 547	Lord & Burnham Co. 560
Beaven, E. A. 551	MacMuklin, E. 546
Bobbink & Atkins 528	Matthews 546
Boddington, A. T. 546	McCarthy, N. F. & Co. 551
Boston Florist Letter Co. 547	McConnell, Alex. 546
Boston Plate & Window Glass Co. 558	McCray Refrigerator Co. 547
Braslan Seed Co. 545	McCullough's, J. M. Sons Co. 548
Breck, J. & Son 545	McIntichison & Co. 527
Breitmeyer's, J. Sons 546	McKellar, C. W. 548
Bridgeman's Seed Warehouse 545	McManus, Jas. 550
"Buds" 545	Michell, H. F. Co. 544
Burpee, W. A. & Co. 541-545	Michigan Cut Flower Ex. 551
Burr, C. R. 528	Millang, A. 550
Buxton, Doane Co. 559	Millang, Chas. 550
Carrillo & Baldwin 526	Millang, F. 550
Chicago Carnation Co. 527	Moltz, A. & Co. 550
Childs, John, Lewis 539	Moninger, J. C. Co. 559
Clarke, Dan'l A. 528	Moore, Hentz & Nash 550
Clarke's, D. Sons 546	Morse, C. C. & Co. 545
Cowee, W. J. 548	Murray, Samuel 546
Craig, Robt. Co. 526	N. E. Nurseries 528
Crawback, G. W. 550	Niessen, Leo Co. 548
Crawford, H. F. 557	Oechslein, Frank 527
Dards 546	Ordenez Bros. 526
Dingee & Conard Co. 528	Ouwertkerk, P. 528
Dorner & Sons Co. 527	Paethorpe, P. R. Co. 556
Dreer, H. A. 543-558	Palmer, W. J. & Son 546
Dunlop, John H. 546	Park Floral Co. 546
Dysart, R. J. 551	Parshelsky Bros. 558
Edwards Folding Box Co. 548	Peacock Dahlia Farms 537
Ellwanger & Barry 537	Pennock-Meehan Co. 549
Elliott's, W. Sons 545	Perkins St. Nurseries 527
Esler, J. G. 559	Peters & Reed Co. 558
Ernest, W. H. 558	Pierce, F. O. Co. 559
Eyres 546	Piereson, F. R. Co. 543
Farquhar, R. & J. & Co. 545	Piereson, A. N. 527
Foley Mfg. Co. 559	Piereson U. B. & Co. 560
Ford, M. C. 550	Poellmann Bros. 548
Ford, W. P. 550	Pratt, R. G. 556
Fottler, Fiske, Rawson Co. 545	Raedlein Basket Co. 548
Froment, H. E. 550	Red Oak Nurseries 528
Galvin, Thos. F. 547	Reed & Keller 551
Gloeckner, Carl R. 545	Reinberg, Peter 548
Greater N. Y. Florists' Asso. 550	Rice Bros. 548
Grey, T. J. Co. 545	Rice, M. & Co. 526
Gude Bros. Co. 546	Richards Bros. 545
Hail Association 559	Robinson & Co. 548
Hart, Geo. B. 548	Rock, Wm. L. 546
Hartmann, Hjalmar 545	Roehrs, Julius Co. 526-527-537
Heller Bros. 527	Roland, Thos. 527
Henderson, P. 540	Rolker, A. & Sons 558
Herbert 527	Rosens 548
Hews, A. H. & Co. 558	Sander & Son 526
Hillinger Bros. 558	Schultz, Jacob 546
Hill, The E. G. Co. 526	Schultheis, A. 542
Hitchings & Co. 560	Scott, John 542
Hoerber Bros. 548	Sharp, Partridge Co. 558
Home Correspondence School 557	Sheridan, W. F. 550
Hollywood Gardens 547	Siggers & Siggers 559
Horan, E. C. 550	Skidelsky & Irwin 545
Hunt, E. H. 556	Slinn, B. S. Jr. 550
Intern'l Floral Association 546	Smith, E. D. & Co. 528
Jacobs, S. & Son 559	Smith, P. J. 550
Kasting, W. F. Co. 550	Smith, W. & T. Co. 528
Kervan Co. 550	Smyth, Wm. J. 546
King Cons. Co. 559	Standard Plate Glass Co. 558
	Stearns, A. T. Lumber Co. 559

Page	Page
Stumpp & Walster Co. 556	Wadsworth, B. E. 527
Syracuse Pottery Co. 558	Wants, For Sale 557
Tailby 547	Ward, R. M. & Co. 539
Thorburn, J. M. & Co. 545	Waterer, John & Sons 528
Thurlow's, T. C. Sons, Inc. 528	Welch Bros. 548
Totty, Chas. H. 527	Wilson 546
Traendly & Schenck 550	Wood Bros. 527
Valentine, J. A. 546	Yokohama Nursery series 542
Vicks, Jas. Sons 538	Young, A. L. 550
Vincent, R., Jr. & Sons 527-545	Young & Nugent 546
	Zangen, O. V. 545
	Zinn, J. A. 547

U. S. DEPARTMENT OF AGRICULTURE.

Notes from Foreign Correspondents.

China, Yachow, Szechuan Province. Mr. E. T. Sheed, May 4. Says they have three varieties of oranges there, a mandarin (loose-skinned), one like the Florida or California tight-skinned seeded variety, and an orange with a slightly bitter twang. Says he prefers the latter to either of the others. It is of medium size and very juicy and rough-skinned. Is grown only in one place near there. They have many wild berries. There is a large yellow raspberry growing in the mountains that is particularly delicious. It has no thorns, but is very hairy. He will send seeds and plants from there.

Egypt, Port Said. Mr. O. F. Cook, June 17. Thinks *Eucommia ulmoides* worth experimenting with to determine the value of the gum it contains. Thinks we ought to try a series of experiments with *Ficus elastica* in the irrigated districts of the southwest. *Ficus nitida* in Egypt is much like *F. elastica*. Thinks all the desirable trees of Egypt would grow in the southwest. If excluded it would be by heat, rather than cold.

France, Marseilles. Director of the Colonial Museum, June 8. Offers to send tubers of wild species of *Solanum commersonii* and *S. Maglia*.

India, Amritsar. Mr. Theo. C. Malter, May 25. Says mangos are propagated there solely by grafting. Says that banana blight is a disease unknown in India.

Italy, Naples. Mr. Willy Muller, June 30. Sends list of *Yucca* hybrids, with prices.

Turkestan, Askabad. Mr. F. N. Meyer, Agricultural Explorer. Writes that Turkestan does not compare favorably with the Caucasus. It is very hot and dry, and the vegetation not very varied. The temperature was 100 degrees Fahrenheit at 8 A. M. the day he wrote. Most trees have to be watered periodically or they die in one or two years. In Krasnovodsk, which is quite mild in winter, there is a beautiful flowering bush, *Poinciana gilliesii*, which thrives with very little irrigation; *Eleagnus angustifolia*, *Populus diversifolia* and a species of *Saxaul* bush, also need very little water. There are, however, apparently few trees that resist the aridity of the Central Asian plains, where hot summers are followed by cold winters, and high winds blow frequently in both winter and

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

HELP WANTED

LEARN WIRELESS and R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue, Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Davenport, Ia., Columbus, S. C., Portland, Ore.

SITUATIONS WANTED

SITUATION WANTED on first class private or commercial place, by German gardener 30 years of age, experienced in all lines, fully able to take charge. The best of references on hand. Please state wages and particulars to E. O., care HORTICULTURE PUBLISHING CO., Boston, Mass.

FOR SALE

For Sale on Easy Terms

Crawford Greenhouses, situated in Brockton, Mass. Excellent chance for retail trade; about 20,000 ft. glass; one house 164 x 54 new, other houses in good condition, 10 years old. Stock in field about 8,000 carnations, 4,000 chrysanthemums; one house *Kaiserling* good stock. 400 callas, two 150 foot benches, asparagus. Income at once. Sell for very low price, easy terms. Good reason for selling.

H. F. CRAWFORD,
Montello Station, Brockton, Mass.

FOR SALE

3 TUBULAR BOILERS

66 in. by 18 ft., perfect condition and cheap. ADDRESS

ARMSTRONG MFG. CO., Springfield, Ohio.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

summer. The trees that look the best are the native form of *Ulmus campestris*, the Chinese *Ailanthus glandulosa*, and the North American *Robinia pseudacacia*. There are lots of apricots, cherries, plums and cucumbers on the market. The fruits are all of small size, apparently nearly all seedlings, and according to Mr. Meyer's interpreter, all are imported from Persia, where in the northern part between the Vudsnur and Mesked, he saw whole mountain sides covered with wild apricots. Mr. Meyer has seen trains of camels come in loaded with cucumbers and apricots. The apricots are sweet-kerneled. He will send seeds.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

GREENHOUSES BUILDING OR
CONTEMPLATED.

Urbana, Ill.—E. Dodson, addition.
Newport, R. I.—Dr. Jacobs, range of
houses.

McCook, Neb.—March & Johnson,
two houses.

New York, N. Y.—Edward J. Dodin,
house 8x20 feet.

Green Bay, Wis.—A. Van Gemert,
house 40x140 feet.

Toma, Wis.—Louis Storkel, two
houses each 18x75 feet.

Greencastle, Ind.—John Eitel &
Son, two houses each 25x98 feet.

Terre Haute, Ind.—The Terre Haute
Rose & Carnation Co., carnation house
30x150 feet.

NEWS NOTES.

Garrettsville, Ohio.—The green-
house of C. E. Tinker has been pur-
chased by E. J. Peck.

Jonesville, Mich.—The greenhouse
of C. I. Poor has been purchased by
Mr. and Mrs. F. G. Gray.

El Paso, Ill.—Charles Snyder has
purchased the greenhouse of Wolk &
Crain and will make additions the
coming spring.

Baltimore, Md.—James Simpson has
sold his greenhouse to James Glass.
Mr. Simpson intends to devote his
attention to private gardening.

Sterling, Colo.—March & Johnson
have acquired a fine greenhouse plant
here which will be run in conjunction
with their McCook, Nebr. houses.

Faribault, Minn.—Grant Kinney for-
merly of the Disbrow-Kinney real
estate firm in Owatonna has pur-
chased a half interest in the Fari-
bault Nursery Co.

Mitchellville, Ia.—The contract for
the erection of a conservatory and
greenhouse on the Girls Industrial
School has been let to Charles Weitz
Sons, Des Moines, Ia.

Wichita, Kan.—The recent hail
storm broke most of the glass in the
Hersey Greenhouses and the rest of
the material has been sold to a local
market gardener for removal.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

PATENTS GRANTED.

- 971,591. Harrow. James E. Booth,
Des Moines, Iowa.
971,592. Combination Plow and Har-
row. James T. Boyd, Spring-
ville, Miss.
971,837. Manure Spreader for Wagons.
Philip L. Fortin, Clyde,
Kansas.
971,856. Combined Seed Planter and
Fertilizer Distributer. Wil-
liam Daniel, Lemons, Shel-
by, N. C., assignor of one-
half to William D. Babing-
ton, and Thomas J. Bab-
ington, Shelby, N. C.
971,909. Transplanting Pot. Lundy
Shannon Lundy, Niagara
Falls, South, Ont., Canada.
971,990. Seeder. James M. Grantham,
Wauwatosa, Wis.
972,025. Soil Pulverizing Attachment
for Plows. James Wiley
Roberts, Pope, Tenn.
972,057. Harrow. Henry Alvin Camp-
bell, Rolette, N. D.

Bucyrus, Ohio.—About thirteen hun-
dred lights of glass were broken by
hail in the greenhouses of Schillinger
Bros., West Perry street on Sept. 23rd.

Holds Glass Firmly

See the Point AT
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DEER,
714 Chestnut St. Phila., Pa.

FULL SIZE
No. 2

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/4 " " " 5.25	120 7 " " " 4.20
1500 2 1/2 " " " 6.00	60 8 " " " 3.00
1200 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	46 10 " " " 4.80
456 4 1/2 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
200 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent. off for cash with order. Address
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE,
N. Y.

All The Clay for our

Florist' Red Pots

is prepared by passing through a screen
1600 meshes to the square inch. If in
a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.
PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."
SIGGERS & SIGGERS
PATENT LAWYERS
Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash
Of Every Description
Get our Prices and Catalogue.
S. JACOBS & SONS
1359-1385 Flushing Ave.
Est. 1781. BROOKLYN, N. Y.

KROESCHELL HOT WATER BOILERS
ORDER NOW
TELEGRAPH AT OUR EXPENSE
The Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.
More Kroeschell Boilers and Generators used for greenhouse heating than any other make.
Send for catalogue
KROESCHELL BROS. CO.
466 West Erie St., CHICAGO, ILL.
WILL SHIP WHEN WANTED
PAY AFTER BOILER REACHES YOU

KING GREENHOUSES

STAND THE TEST OF WIND AND STORM AS WELL AS OF TIME. THEY ARE DESIGNED TO DO IT, TAKING INTO ACCOUNT ALL THE CONDITIONS WHEN A MAN KNOWS HIS GREENHOUSE WILL STAND, HE IS AT LIBERTY TO PUT ALL HIS TIME AND THOUGHT INTO GROWING THINGS, AND THAT IS WHAT HE WANTS TO DO.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, Insurer of \$2,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



PEAKING of Laying Out a House so that it shall be Perfectly Balanced Now and With Additions

Here is one that fills the bill. A wing house could be added to the other side of the work-room or to this side of the palm house, or to both, and still the layout would be attractive. There is much in planning, with additions in mind. Many a well built house is spoiled because of the wrong plan — many a good plan ruined because of the wrong construction. Why not have both points good? Write to us.

Hitchings & Company
1170 BROADWAY NEW YORK



Plan 97

This is a particularly successful range recently erected for Geo. W. Perkins, Riverdale, N. Y. It is fully described and illustrated on Page 46 of Advance Sheets, Number Two of our New Catalog. If interested send for them.



Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Reokery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

OCTOBER 22, 1910

No. 17



STANHOPEA INSIGNIS

Photo M. J. Pope.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



ALWAYS LEADERS

RICE STANDARD

\$105.00

Buys one thousand rolls of

Heavy Waterproof Crepe Paper

only 10½c per roll when buying 1000 rolls. Each roll contains FULL 10 feet. **PRIZE WINNING KIND.** Think it over. Compare price. We deliver the goods. **REMEMBER M. RICE & CO.** was the **ONLY FLORISTS' SUPPLY HOUSE** receiving a **PREMIUM** for **FLORISTS' SUPPLIES** at the Rochester Convention, August, 1910. **NUF SED.**

*KATALOG for the asking***The Leading Florists' Supply House and Ribbon Specialists****M. RICE & COMPANY***Importers — Manufacturers — Originators***1220 Race Street,****PHILADELPHIA, PA.****JULIUS ROEHRS CO.****RUTHERFORD, N. J.**

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties**ORCHIDS***Largest Importers, Exporters, Growers and Hybridists in the World*

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York.

RED OAK ACORNS*If You Need Any, Write***ADAMS & CO., HARBOR SPRINGS, MICHIGAN****ORCHIDS**

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, **SUMMIT**
N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, *Araucaria Excelsa*, *Compacta Robusta*, *Excelsa Glauca*, *Kentia Belmoreana* and *Forsteriana*, also Ferns, *Begonia Gloire de Lorraine*, etc.

*Write for Prices.***BOSTON FERNS,** 2½ inch \$30.00 per 1000.**WHITMANI,** 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.**MAGNIFICA,** 15 cents each.**H. H. BARROWS & SON**

Whitman, Mass.

ROBERT CRAIG CO.**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

	2 in. per 100	3 in per 100
COLEUS , Brilliance.....		\$4.00
COLEUS , In standard sorts.....	\$2.00	3.00
SWAINSONA , Alba.....	\$2.00	\$3.00
ALYSSUM , Dwarf and Giant Double.....	2.00	3.00
LEMON VERBENAS	2.00	3.00
LANTANAS , Assorted.....	2.00	3.00
DOUBLE PETUNIAS , Mixed Colors.....	2.00	3.00

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

Ricard, Poitevine, S. A. Nutt, Buchner.. Orders
booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties** which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SPECIAL PRICES.

CALIFORNIA PRIVET.

	Per 100	Per 1000
8 to 4 ft., extra heavy.	\$4.00	\$85.00
2 to 3 ft., extra heavy.	8.00	25.00

BERBERRY THUNBERGII.

	Per 100	Per 1000
18 to 24 in.	\$10.00	\$80.00
12 to 18 in., extra heavy.	8.00	60.00

CAROLINA POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

LOMBARD POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.,
The Burr Nurseries,
Manchester, - Conn

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 215 Jane St. Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Trees, Shrubs, Vines
and
Herbaceous Perennials
of excellent quality
at moderate cost

My Catalog is yours for the asking

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - - R. I.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

LANDSCAPE ARCHITECTURE

A QUARTERLY

50 cents an issue. 2 dollars a year

Official Organ of the American So-
ciety of Landscape Architects.

Devoted to the interests of the pro-
fession. It will contain authorita-
tive articles on CITY PLANNING,
PARKS, GARDENS, PLANTING
and all subjects appertaining to the
art of Landscape Architecture.

Published and edited by CHARLES
DOWNING LAY, HENRY VIN-
CENT HUBBARD and ROBERT
WHEELWRIGHT, at 103 Park Ave.,
New York City.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

Acidanthera bicolor

Acidanthera bicolor is a rather rare summer flowering bulbous plant, possessing qualities which are very apt to pave its way to a more general recognition. In habits of growth it resembles to some extent the montbretia. It has, however, not the erect carriage of the latter and nearing maturity very often requires some support.

Acidanthera bicolor at its very best does not appear to me a plant species suitable for floral mass effects. Reaching a height of from two to three feet, its flowers, expanding during July and August, are borne on thin stems, seven to ten on one stalk. The color is a creamy white, with a broad deep maroon base. The starry outlines of the segments in connection with the delicate color shading, however, draw attention at a glance. The admiration for these flowers grows as soon as we become aware of their fragrance, which reminds us of the lily. They combine certain elements of beauty, which are always apt to make a lasting impression on us. Cut and put in water I have been able to keep the flowers fresh for nearly a week. They have in many instances proven an excellent material for high-class design work. The plant well merits some space in every garden where a choice selection of flowers ranks above the everyday mass effect.



Bulbs should be planted in the open ground early in spring, a light loamy soil properly enriched and a sunny position being a necessity to insure a thrifty growth. In overwintering the *Acidanthera* the requirements are the same as for *gladiolus* bulbs.

Richard Roth

Northeast Harbor, Me.

British Horticulture

SOME NEW DAHLIAS

The National Dahlia Society's second autumn show on September 20 and 21 attracted a good number of visitors to the Royal Botanic Gardens, in London, thanks chiefly to the genial weather which at the time of writing is offering its solace for a disappointing summer. The trade exhibits, as usual, formed an interesting feature. In the nurserymen's section, for the prizes offered for three vases of cactus dahlias put into commerce for the first time during 1908-9, Mr. John Walker of Thame, Oxon, gained the first award with a tasteful arrangement, showing Echo, Mercia, and Mrs. A. Dyer. The peony-flowered varieties made an attractive display, some of the tints being particularly striking. The following new varieties received first-class certificates: American (cactus) white ground, splashed and striped crimson—Keyne, Williams and Co. Mrs. Douglas Fleming (cactus) white, with greenish center; H. L. Brousson (cactus), a pleasing shade of rosy mauve, with lighter centre; White Ensign (garden cactus) pure white; Flagstaff (garden cactus) large bloom, of rosy-salmon tint—J. Stredwick and Sons. Mary Purrier (garden cactus) bright crimson—J. T. West. William Pemberton (fancy) yellow ground, splashed and striped crimson; Model (show) white base, tipped with rosy purple—S. Mortimer. Pink Beauty (pompon) a useful shade of light pink—J. Cheal and Sons.

THE INTERNATIONAL EXHIBITION

London is to see an international horticultural exhi-

bition in 1912, for which active preparations are already being made. The finest gardens of the empire will be drawn upon to make a display thoroughly representative of each nation's highest forms of horticultural art. The exhibition is expected to surpass the great international show held at the Royal Horticultural Society's gardens in South Kensington in 1866. These gardens were situated near the Albert Hall, and were opened by the Prince Consort, who planted a *Wellingtonia gigantea*. The Society's headquarters were subsequently shifted to Chiswick, owing to the site being required for the Imperial Institute. The spacious grounds adjoining the Royal Hospital at Chelsea have been chosen—a site admirably suitable as regards accommodation and accessibility from all parts of the Metropolis. There is an appropriateness in the selection from the fact that the picturesque grounds at Chelsea were laid out by Sir Joseph Paxton, one of Britain's noted horticulturists. About 20 acres, including the Ranelagh Gardens will be available, with entrances from the Chelsea embankment and Bridge street. An influential executive committee has been formed, with Mr. J. Gurney Fowler, J. P., a noted gardening enthusiast and treasurer of the Royal Horticultural Society as chairman, and Sir Jeremiah Colman, Bart., the distinguished orchidist, as honorable treasurer. The list of patrons already include their Majesties the King and Queen, the Duke of Connaught, and Prince and Princess Christian.

W. H. Aclsett

HORTICULTURE

VOL. XII

OCTOBER 22, 1910

NO. 17

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION— <i>Stanhopea insignis</i> .	
ACIDANTHERA BICOLOR, illustrated <i>Richard Rothe</i> .	565
BRITISH HORTICULTURE— <i>W. H. Adsett</i> .	565
STANHOPEA INSIGNIS.	566
SEASONABLE NOTES ON CULTURE OF FLORISTS'	
STOCK Fancy caladiams and begonias—Forcing	
gladiolus Lilies for Christmas—Poinsettias in pans	
—Smilax—Vandas— <i>J. J. M. Farrell</i> .	567
GRAPERY BORDERS AND HEATING— <i>James Robert</i>	
son.	568
FLOWERING PLANTS FOR COOL CONSERVATORY	568
PROPAGATING CALIFORNIA PRIVET.	568
CROMWELL JOTTINGS	568
OBITUARY—Ernest J. Close—John Marback—Charles	
Charvat—Peters Knapp—Joseph M. Ahearn.	569
CLUBS AND SOCIETIES:	
Gardeners' and Florists' Club of Boston—N. J. Flori-	
cultural Society—Florists' Club of Washington—	
Pennsylvania Horticultural Society—Yonkers Horti-	
cultural Society—Detroit Florist Club.	570
Nassau County Horticultural Society—St. Louis	
Florist Club—State Florists' Association of Indiana	
—Chrysanthemum Society of America—"Unaka," Il-	
lustrated—Springfield Florists' Club.	571
SEED TRADE:	
An Interesting Event—Crop Notes—A Boston Move.	576
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.	578
Flowers by Telegraph.	579
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit.	581
Philadelphia, New York.	583
DURING RECESS:	
Chicago Florists' Bowling Club—Astoria Florists'	
Bowling Club.	589
MISCELLANEOUS:	
A New Periodical.	568
Philadelphia Notes.	569
New York Notes.	569
Personal.	569
St. Louis Notes.	569
News Notes.	571-576
Coming Exhibitions.	572
Publications Received.	573
Catalogues Received.	574
Chicago Notes.	579
Incorporated.	583
Plant Pathologist Wanted.	588
Greenhouses Building or Contemplated.	590
Patents Granted.	590

Park boards

We learn from our exchanges that one of the Canadian Horticultural Societies has passed a resolution suggesting that the members of the park board be elected at the annual municipal elections. Park boards, as a rule, on this side of the dividing line, lose but little sleep worrying as to what the horticultural societies think about them or their work. Still there are excellent reasons why the horticultural element in a community should have something to say as to the manner in which park depart-

ments are conducted. Their opinions ought to have vastly more weight than those of political schemers or sentimental idealists, both of which are very often in evidence. It is a question whether we should be any better off, or whether the chances for getting a man well-informed in horticulture placed on a park board would be any more promising under an elective system than it is now under the appointive plan which generally prevails. It might prove to be a "leape out of the frying pan into the fyre."

Regulating the seedsman

in agricultural seeds has been a thorn in the flesh of the Virginia State Board of Agriculture. Last August the committee appointed for the purpose fixed its standards and prescribed the nature of the labels to go on all seed packages, in accordance with the new inspection law which went into effect September 17. Already, we understand, they have found it necessary not only to say what labels shall go on but what shall not go on and so it has been decided that nothing shall be printed on the labels under which agricultural seeds are sold save such matter as is authorized and required by the regulations of the Board. This means that the nature of any "adulteration" and its percentage must be specified, excepting in the case of seeds entitled to be labeled "standard" by reason of there being not more than the legal minimum of adulteration and that the time-honored non-warranty clause which all seedsmen have adopted as a protection against loss from conditions beyond their control will not be permitted to appear on such packages. This looks like regulation with a vengeance.

Flower show money

A perusal of the premium lists of the various shows scheduled to be held in many leading cities this month and next reveals a demonstration of liberality in number and value of premiums offered which has never before been equalled in this country. As to how much bigger, better and busier the shows will be in consequence of these emoluments which await the successful exhibitor there might be a divergence of opinion. Many are disposed to place honors and distinction far beyond all question of financial winnings in these events. Others say—no money, no exhibits. As between the two you can take your choice. But our modest advice to any society or organization financially interested in the outcome of any exhibition would be to make the blue ribbons and diplomas go just as far as possible. Should there be some cash left over it could not be in a better place than in the treasury of a horticultural society, and we are sure that the majority of exhibitors as we have found them would prefer to compete for and accept a moderate prize rather than to see the management embarrassed by obligations not warranted by the receipts. We sincerely hope that every exhibition scheduled for this fall will show a balance on the right side when squaring up day comes.

Stanhopea insignis

The subject of our cover illustration is one of the most curiously formed flowers in the orchid family. The flowers are pale yellow, spotted purple and are richly perfumed. *S. insignis flava* is a variety entirely yellow. The plant blooms from July to October. The flower spike pushes its way downward through the material in which the plant grows, as shown in the picture. The plant should always be grown in a basket or pot suspended from the roof with large openings through which the flower spike can find its way.

Seasonable Notes on Culture of Florists' Stock

FANCY CALADIUMS AND BEGONIAS

Fancy-leaved caladiums should be allowed time to ripen off their tubers in their pots before they are taken out and stored away. When these plants begin to lose their foliage gradually withhold water until they have shed all their leaves. Before this occurs it is well to go over and renew their names, using fresh labels. When ripened off the plants can be placed under a bench, laying the pots on their sides, or taken from the soil and placed in sand. They should be kept in a temperature of not less than 60 degrees during the winter, and care should be observed to put them in some place free from drip. Roots, corms or bulbs of tuberous-rooted begonias, vallotas, gloxinias, gesnerias, tuberoses, achimenes, sprekelia, ismene, zephyranthes, and amaryllis, can all be treated as advised above.

FORCING GLADIOLUS

Before starting to force these bulbs be sure you procure thoroughly cured bulbs which will give fine strong flower spikes. When planting in benches the corms should be placed at least two inches below the surface and if you have room for six inches of soil plant them three inches deep. When planted deep they are not so liable to bend when coming into bloom. Give them at least five inches between the rows. They can also be planted in boxes and between carnations. With ordinary weather conditions most varieties will flower in from 14 to 15 weeks after planting. Give them some liquid manure when the flower spikes are forming. This is very beneficial in producing fine blooms. If given a temperature of from 50 to 55 degrees at night they come along all right. The smaller-flowered section of the Colvillei has many beautiful varieties; these small bulbs can be planted and forced in flats. In addition to these are the large-flowered kinds such as Augusta, America, May, Shakespeare, and Silver Trophy.

LILIES FOR CHRISTMAS

You should now remove from the cold-frames your earliest Bermuda lilies. Some of them will have formed sufficient roots by this time. If given an average temperature of 60 degrees they should be in plenty of time for Christmas. One thing to be borne in mind when forcing these lilies for the winter holidays is the necessity that they be well rooted. You can then raise or lower your temperature at any time in the course of forcing without harm. The grower can employ any degree from 55 to 75 degrees at night as he may see fit in order to get his lilies in at the right moment. When the plants are from 15 to 20 inches high they ought to be staked and kept neatly, but not tightly, tied. When coming into flower they can be fed with some liquid manure which will improve their quality very much. Place them as near the glass as accommodation will permit. Green fly is the cause of considerable trouble in lily forcing but is easily overcome after the flower buds are well above the upper leaves. Fumigating frequently, say about once a week, will keep the plants free of the pest.

POINSETTIAS IN PANS

If you have not made up your pans of poinsettias for Christmas you should do it without delay. Small plants in 2½ inch pots are just the thing. Select plants of about equal height and vigor, that are short jointed and

of a firm growth. You will then have plants of uniform height when the bracts are fully developed. Put about three or four plants in a 6 or 7 inch pan, six plants in an 8-inch pan, seven plants to a 9-inch pan and a 10-inch pan will take nine plants. After planting the plants must be carefully watered. Too much or too little will cause them to lose their foliage. These plants require a temperature not below 60 degrees at any time to insure fine flower heads. Full sunshine is required, and when the pans are well filled with roots, they should be afforded some liquid manure at least once a week until the bracts are fully developed. If you have more in pots than you can conveniently handle you can plant them out on some bench where the temperature will not fall below 60 degrees. Set them ten inches apart and you will get immense bracts for cutting.

SMILAX

From this time on there will be really no let-up in the stringing of your smilax beds. The daily cut of the marketable output encourages a vigorous new growth and the stringing of these new growths should take place before you have a mass of entangled vines that will be hard to straighten out. Good strings can only be raised by the constant and careful attention of a guiding hand. They should never be cut until they have attained that degree of hardness and durability which alone renders them fit for shipping and handling. When cutting the strings begin at one end of your bed and clear off all the strings as they come along. Little water will be needed until the new growth starts. In cutting always save any young growth as they can be strung and will give you just so much headway. Syringe frequently as a preventive for red spider. To grow smilax profitably it requires a temperature of from 60 to 65 degrees at night. To sustain vigor and productiveness there is nothing better in the way of feeding than a mulch of some rich compost spread between the rows.

VANDAS

If these orchids require any new material they should be attended to within the next few weeks as a good many kinds are now making new roots. Those that need re-potting should be given liberal drainage. They can be grown in baskets, pots or cylinders. The most natural method is to grow them in baskets as the air is freely admitted to the roots. The best compost to use is chopped live sphagnum moss with some large pieces of charcoal intermixed. This should be pressed in firmly, but taking care not to bury the aerial roots which would surely cause them to decay. These roots should be coiled around and pegged down on top of the sphagnum, where they will branch out and insert themselves in the new compost. These orchids will not require any shade from now until about the middle of February. From 60 to 65 degrees at night should range during the winter. Don't give too much atmospheric moisture during wet and cheerless weather. Ventilation is very important and should be given whenever possible. A good supply of water is essential at all seasons, with copious syringing in bright weather. Don't allow the compost to remain dry very long. *Vanda cœrulea*, *V. insignis*, *V. suavis*, and *V. tricolor* are good kinds to grow.

John J. M. Farrell

Mr. Farrell's text notes will be on the following: Calceolarias, Hebeas, Petunias, Lifting Peonies for Forcing, Sweet Peas, Useful Evergreens, Violets.

GRAPERY BORDERS AND HEATING.

Is an outside grapery border very essential, and is it advisable to have return pipes of heating system run through center of inside border in wooden (non-conductive) box through peach and grape houses, or should all pipes be on top of ground? WEST.

Many of us have seen very good grapes grown in houses without outside borders, but the men who grew those grapes doubtless could have grown a still better grade if an outside border had been provided. It is well known that grape roots have an active habit of following up any trace of congenial food, and this necessity can more conveniently be supplied by inviting them outside and adding to their pastures as they extend, and at the same time the inside border should be well cared for, and I do not hesitate to say that when best and lasting results are wanted it is essential to have an outside border.

The heating pipes for peach and grape houses should under ordinary circumstances all be on top of ground so as to conserve all available heat, and pipes should pass through as near to the centre of the house as convenient, to insure an even temperature throughout the house. Placing them near the base of the plants should always be avoided, as the extra heat near the pipes is favorable for the increase of red spider, which is often troublesome in fruit houses.

JAMES ROBERTSON,

Newport, R. I.

FLOWERING PLANTS FOR COOL CONSERVATORY.

One of our customers has enclosed a porch with glass in which they will be able to carry a temperature of from 50 to 70 degrees, and ask us to furnish a list of plants that could be grown and bloom this winter. As this is entirely out of our line, can you help us by furnishing a small list of plants which you think could be successfully grown?

LANDSCAPE.

Our correspondent does not give any idea as to the size of the enclosed porch, so we shall have to do some guessing. Climbing plants are especially adapted to such a position, and there will be no difficulty in growing at the temperature indicated such roses as Marechal Neil and Gloire de Dijon. Then there are Tacsonia Van Volksuma, Allemandas Lowii and Williamsii, and if real beautiful things of latest introduction are wanted we should recommend Jasminum primulinum as one of the newest and best, easily grown, and bearing an abundance of fragrant yellow flowers from Thanksgiving until April. Also Clematis Armanda, which is also in the front rank. Freesias, lily of the valley, Erica melanthera, Chinese primroses, cyclamens, geraniums, callas, and all the Dutch bulbs are well-known easy subjects which we need scarcely allude to, and there are many of the harder ferns, especially the Nephrolepis list, which will do well among the flowering plants in such an arrangement.

PROPAGATING CALIFORNIA PRIVET.

Please inform me through your columns which is the best way to propagate California privet? S. L.

In Bailey's Encyclopedia Henry Hicks treats this subject so fully that we cannot do better than to quote for our correspondent Mr. Hick's remarks in full. He says:

California Privet for Hedges.

First Method.—Cuttings 8-14 inches of 1-year wood are made in fall or winter, preferably the former, as they are occasionally damaged by the winter, even as far south as Alabama. These are tied in bundles and buried during winter. In the spring they are stuck in rows 2-6 inches by 2-3½ feet, and kept cultivated. They are sold at 1 year, when 1-2½ feet high, or at 2 years, when 2-4 feet high.

Second Method.—Cuttings of 5-6 inches of stout, 1-year wood, are made in November. The cuttings are made short so that the roots will not be cut off by the tree-digger. The leaves are stripped off, and the cuttings tied in small bundles, as large bundles mold. These are buried, tops up, over winter. In the spring, before growth starts, they are planted in rich, mellow land, 4 inches apart, with rows 8 inches apart. To plant, a back furrow is plowed in the center of the block, the top raked off, a line stretched and pegged down. The cuttings can then be inserted nearly full length. The tramping of the row settles the soil enough to expose the top buds. With a one-horse plow the bottom of the furrow is loosened where the planters have packed the soil, and new furrows are made around the strip planted. The cuttings are tilled during summer with a wheel-hoe or hand-plow. To make wide plants, the tips of the shoots are pinched when they are about 3 inches long. This is repeated at intervals of about three weeks during the summer. Nitrate of soda may be used to hasten growth.

Third Method.—At Biltmore Nursery, North Carolina, the Privet cuttings are run through a stalk cutter and the pieces sown in a furrow.

A NEW PERIODICAL.

The first number of Landscape Architecture, a quarterly magazine, the official organ of the American Society of Landscape Architects, has just been issued. We extend the right hand of fellowship to this new-comer in the field of the "Art which doth men's Nature," and sincerely hope it will live long and prosper. The character of the magazine may be readily surmised from the list of contributors to the first issue, which includes Frederick Law Olmsted, Robert Wheelright, Harold A. Caspary, James F. Dawson, Charles W. Eliot and Benj. M. Watson. There is room for "Landscape Architecture," under such auspices and we can assure our readers that a subscription for same will not be an unremunerative investment. The office address is 103 Park Ave., New York City, and price \$2.00 a year.

We learn from several places that florists who placed orders for lily bulbs to be delivered this fall have been notified that their shipments will be cut down from 20 to 50 per cent., owing to the floods in Japan.

CROMWELL JOTTINGS.

A. N. Pierson Company, of Cromwell, Conn., have two rose novelties which they will disseminate this coming season. One is Mrs. Taft syn. Antoine Rivoire. It is a very attractive tint of luminous light pink, with handsome foliage. The other is known as Dark Pink Killarney. The latter has been described several times during the past year and is already well and favorably known. It originated at the Montrose Greenhouses. The color is uniformly a deep glowing pink and it holds its color in all seasons and any kind of weather—a very desirable improvement on the original Killarney. Another rose which Mr. Pierson regards very highly is Lady Cromwell, a creamy pink sport from My Maryland, originating at this place. It will not be sent out this year. He has a big stock of Radiance, one of John Cook's introductions, and Mrs. Aaron Ward, the popular new yellow. 100,000 roses are grown in this mammoth establishment of which about 60,000 are Killarney in its several forms. 780,000 Manetti are being imported this year for grafting. This is believed to be the largest number of Manetti used by any single firm in this country.

A chat with Wallace R. Pierson on crop topics is a treat at any time, because he is so observant and practical and then so outspoken and sincere. Looking over the vast expanse of chrysanthemums which fill house after house to the number of 160,000 plants he says—No more October Frost for us. Its percentage of poor blooms is too large and there are too many other good ones now which are nearly or quite as early—for instance, Early Snow, Kalh, Virginia Poehlmann and Tousset. Among the varieties making an unimpeachable record at the present time are Golden King, Elise Papworth (white), Mrs. W. C. Kelley (yellow), Comoleta (best early yellow) and Nagoya (yellow). June planted chrysanthemums come in a reasonable height and in Mr. Pierson's experience are the best sellers.

The usual large number of carnations are being grown this year. Mr. Pierson's selection of the best includes Pink Delight, Dorothy Gordon and Mrs. C. W. Ward.

Extensive general improvements and additions are constantly going on at Cromwell. Nearly an acre of new glass has been added this year and a large addition to packing room facilities is under way. There is a box factory and a machine shop, a big new garage and a herd of 75 cattle to supply the manure required to run the outfit. It is the intention to grow practically everything that florists regard as standard stock.

A CORRECTION.

The price of the new Scott roses in advertisement of S. S. Pennock-Meehan Co., last week, was printed wrong. \$250.00 per 1000 for Melody and \$150.00 per 1000 for Double Killarney is correct.

Bar Harbor, Me.—The Mt. Desert Nurseries have closed their Main street store for the winter season and Mr. Dorr has granted the Bar Harbor Horticultural Society the use of the premises for their winter meetings as heretofore. The usual facilities for reading and recreation will be at the disposal of the members.

PHILADELPHIA NOTES.

A subscription testimonial is being arranged for John Crawford, an old and well known florist who has been in the hospital for nearly six months suffering with inflammatory rheumatism. Those who wish to subscribe to this laudable object may send their contributions to Paul Klingsporn, care of Berger Bros., 13th and Filbert streets. "He gives twice who gives quickly."

The Henry F. Michell Co. will move from 1018 Market street to their mammoth new store 518 Market street, Nov. 1st. Preparations for this event are now actively under way. As the new store has been already running for nearly two years no friction or interruption to business will be experienced, usually the case with old and important houses when they change their headquarters.

Visitors: Joseph Pennypacker, Phoenixville, Pa.; Mrs. W. A. Hansen, Galveston, Texas; Mrs. M. Weir, Scranton, Pa.; John Cook, Beverly, N. J.; Jno. N. May, Summit, N. J.; A. Emerich, representing Vilmorin-Andrieux & Co., Paris, France; Benjamin Smith, superintendent for Levi Meyer, Manomet, Mass.; Harry Scheath, representing Mrs. Williams, Pittsburgh, Pa.; Mr. Brown, of Mann & Brown, Richmond, Virginia; J. W. Edmunson, representing Braslan Seed Growers' Co., California; John Fallon, Staunton, Va., who was the recipient of marked courtesy by the trade of the city, including an automobile ride to Jenkintown in Edward Reid's flyer, is to visit the palm nurseries of the Joseph Heacock Co. at Wyncote.

NEW YORK NOTES.

Pullman, the Columbus avenue florist, has arrived from Europe after an extended visit.

E. J. Van Reyper, who has been with the Growers' Cut Flower Co., has taken a position as salesman with P. J. Smith, 49 W. 28th street.

Kostus Sakelos, the "Colonial Florist" of 125th street and 8th avenue, has bought out Hoffman's store on 975 2nd avenue. Excellent business is reported for the first three days.

A few years ago nobody could have dreamed of the dignity and importance the "greens" business would attain to. Here is Gustave C. C. Schrader coming to market every morning with his load of greens on a new Brush car. It pays to be a real specialist.

Wm. H. Siebrecht's delivery horse ran away last Monday forenoon, being frightened by an American Express Company auto. It was stopped by a policeman on the corner of 6th avenue and 26th street. Fortunately very little damage was done.

The big auction sale of The Weir business and property at Brooklyn brought out a very large and interested attendance of the trade and others, Brooklyn trade being particularly well represented in the crowd and in the buying. Prices reached were very fair considering the times. The horses brought the best figure. Auctioneer Elliott is well pleased with the results.

PERSONAL.

E. Haentze, of Fond du Lac, Wis., was married on October 10, at Chicago, to Miss Louisa Klempnecht.

Court Roehrs and his younger brother have located on a 40-acre farm in Texas and will grow apples and alfalfa.

Wallace R. Pierson, of Cromwell, Conn., and H. C. Wendland, of Chicago, started for a hunting trip in Maine on Friday, Oct. 14.

Herman Klagge, for 28 years with John Breitmeyer's Sons, Detroit, mourns the loss of his wife, who has been an invalid for several years.

Mr. William Atkinson, of Fisher, Son & Sibray, Handsworth, England, has been inspecting the Boston park system, as guest of Superintendent Pettigrew.

John Dunbar, of Rochester parks, spent a few days last week at the Arnold Arboretum selecting plants from the Wilson collections for planting in the Rochester parks.

Prof. C. S. Sargent, of the Arnold Arboretum, has gone on an auto trip around the lakes in western New York, in quest of new plants, as the guest of C. C. Laney, of Rochester.

Andrew Christensen of Stoneham, Mass., returned Friday on the Lusitania after a two months' tour of England, France, Germany, Sweden and his native home, Denmark.

James Sharkey has succeeded John P. Hammond as gardener for Mrs. E. H. G. Slater at Newport, R. I. Mr. Sharkey was in charge there for several years previous to Mr. Hammond.

Wm. Dilger of Detroit, for several years superintendent of Belle Isle, has been asked to resign by Nov. 1 and Mr. Hollister, for many years superintendent at Palmer Park, will take his place. Mr. Dilger was rather sorely aggrieved when about a year ago he was denied the appointment of park commissioner. The consequence was a lack of necessary harmony and his resignation was no surprise to the local florists.

Mr. Ed. Welch, of Welch Bros., Boston, has returned, together with Wm. F. Molloy, Budlong's Boston salesman, from a very enjoyable European tour. Mr. Welch has some very complimentary things to say of the florist establishments he saw in his travels, especially those of Italy, and the taste displayed in the adornment of stores and windows. He was much impressed with the effectiveness of single-flowered dahlias made up into wreaths in association with fine ferns. These wreaths are made up and placed in the windows for sale.

Martinsburg, W. Va.—The Hart-Clohan Co. will put in irrigation equipment to cover five acres of truck for next season; will expand from that if successful; also planting 100 acres in fruit trees.

OBITUARY.

Ernest J. Close.

Ernest J. Close, a clerk employed by L. L. May & Co., florists, St. Paul, Minn., was killed recently by falling through a plate glass window.

John Marback.

John Marback, florist at 4809 John street, Cincinnati, Ohio, committed suicide Monday night, Oct. 10th. Despondency over his physical condition caused the act.

Charles Charvat.

Charles Charvat, florist at 264 Rowena street, Detroit, Mich., died Oct. 10th. Mr. Charvat came to Detroit from Bohemia thirty-eight years ago. He is survived by his widow, two daughters and four sons.

Peter Knapp.

Peter Knapp, for seventeen years employed at Peter Reinberg's greenhouses, Chicago, lost his life Saturday while at work opposite the greenhouses. A carload of stone was standing on a nearby track and Mr. Knapp was adjusting something under the car when in some manner the slide was opened and the coal was discharged upon him. He was dead when taken out. He leaves a wife and five children.

Joseph M. Ahearn.

Joseph M. Ahearn, gardener at the Henry Clews place, Newport, R. I., died there suddenly on the morning of Oct. 18th. He had been in his usual good health until within a few hours of his death, when he was attacked with a stomach trouble which resulted in the sad occurrence. He was 31 years of age and had been in charge of the Clews estate about four years and previously worked under Mr. Herrington at the H. McK. Twombly estate, Madison, N. J. He is survived by a widow and three children, who will sadly miss his kind and genial companionship. J. R.

ST. LOUIS NOTES.

Guy Reyburn of Vaughan's and B. Eschner of M. Rice & Co., Philadelphia, are in St. Louis this week.

H. V. Hunkel of Holton & Hunkel, Milwaukee, spent a day here last week with his brother-in-law, W. C. Smith.

The Retail Florists' Association, at its last meeting, adopted a credit system and will put same in force at its meeting, Monday, Nov. 7th.

Mr. Chas. A. Kuehn has been very sick the past week but from reports this Monday forenoon is much improved, but will be kept indoors for some time yet.

Flower show matters are reported as being all arranged for next month, and the Executive Committee says it will be a great show—the best St. Louis has yet had.

Auburndale, Mass.—W. A. Riggs has bought the greenhouse establishment of John Forbes and on November 1 will forsake the domain of the private gardener and go into commercial life.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The October meeting of this club held at Horticultural Hall on Tuesday evening, Oct. 12, was very largely attended, the special attraction being a talk by Edward MacMulkin on the Retail Florist Trade. Mr. MacMulkin dwelt particularly on the relationship between the retailer and the grower and the question of price fluctuations at the holidays, its effect on the general welfare and the policy of the growers and wholesalers at such periods which he pronounced short sighted and calculated to expand the plant trade at the expense of the cut flower trade. Referring to the enormously increased plant trade of recent years he attributed it to the alleged exorbitant price of flowers, which made the buying public disgusted and prevented their investing in flowers at Easter and the Christmas holidays. No other line of business, he declared, would stand for such methods. He gave some interesting statistics of the growth of the florists' business which, he said, was now recognized as a factor in our industrial and artistic life. Referring to the tremendous increase in greenhouse area in recent years he said that this had been more pronounced outside of New England territory and attributed New England's backwardness to lack of business enterprise on the part of the growers. The average buyer, he asserted, knows as much about flowers as the average retail florist and sometimes more and he cannot be fooled into buying inferior stock or paying extortionate prices. The average department store customer never comes back after one purchase of plants or flowers because there is where the low-grade stuff finds its market and buyers get their lesson in the first transaction. He approved the sale of flowers on the street, however, provided that they are of good quality. The sale of bad ones is the bane of the trade. He advocated free admission of children to flower shows as a means of building up a flower appreciating and flower buying community.

The growers present—such as Peter Fisher, J. T. Butterworth and W. H. Elliott, all indulged in a rapid-fire verbal scrimmage with Mr. MacMulkin, but he held his ground like a major. Mr. Butterworth stated that he proposes to introduce a bill in the legislature exempting growing crops from taxation. Mr. Elliott stated that he had a new rose Mrs. Wardell, copper color, a good grower, bright and interesting and showed a bloom of a white and pink variegated Killarney on the order of "York and Lancaster," a dwarfer grower than the parent.

The question of entertainment at the time of the National Flower Show next March brought out some high-class oratory, in which P. Welch led, after the report of progress by Peter Fisher for the committee. A reception, dance and lunch instead of a banquet was unanimously recommended by the committee. P. Welch, Ed. MacMulkin and W. J. Stewart were added to the original committee, which was given power to further increase

its number. Eighteen new members were proposed and accepted.

The exhibition table was well adorned with choice material. Peter Fisher was given an award of merit for variegated seedling carnation No. 106, soft pink in color, which is to be disseminated a year hence. Daniel White received a cultural report of merit for a collection of chrysanthemums from 6-in. pots. W. W. Edgar Co. was given honorable mention for Lorraine Begonia. The following exhibits received severally a vote of thanks: W. N. Craig, Cosmos Lady Lenox, Chrysanthemum Pacific Supreme, Cattleya Portia (C. Bowringiana × C. labiata); Paul de Nave, collection of orchids including *Oncidium verucosum* Rogersii, *O. curtum*, *O. crispum*, Cattleya labiata and Vanda coerulea—the labiata and oncidiums being remarkably fine; H. L. Cameron, Chrysanthemum Beatrice May; Duncan Finlayson, Chrysanthemum Glory of Pacific; G. Bleicken, Chrysanthemums in 4-in. pots; C. Walters, Lettuce Sutton's Supreme.

NEW JERSEY FLORICULTURAL SOCIETY.

At the regular meeting of this society, Oct. 14, it was decided to hold their sixteenth annual chrysanthemum show in Lindsley's Hall, Orange, Oct. 29th, from 3 to 10 p. m. The silver cup donated by John D. Le Count will be awarded for the best 24 cut chrysanthemums, 6 varieties, 4 flowers of each, not less than 18-inch stem. Competition is open to all. There will be 12 classes of chrysanthemums as well as classes for orchids, roses, carnations, foliage plants, flowering plants, violets, fruits and vegetables.

An invitation was received from the Morris County Gardeners' Society to participate at their annual chrysanthemum show, at Convent Station, November 2, 3 and 4.

Lager & Hurrell, as usual, made a nice display of orchids for which they received 90 points; Albert F. Larson, roses, 95 points; Frank Drew, roses, 95 points; William Reid, roses, 70 points; carnations, 90 points; white seedling carnation not yet disseminated, 85 points; begonia Gloire de Lorraine, 90 points; Maranta splendens, 85 points. Max Schneider, carnations, 85 points. Certificates were awarded for the following exhibits not in competition:—Chas. Ashmead, carnations; Albert Larson, roses and carnations; Frank Drew, roses; Max Schneider, chrysanthemums; Fritz Bergland, carnations and chrysanthemums. The judges were John L. Collins, Edward Eccles, D. Kindsgrub.

WILLIAM REID, Sec'y.

FLORISTS' CLUB OF WASHINGTON.

The October meeting of the club was held at Kramer's conservatory on the 4th inst. There was a large attendance but little business other than final details in regard to the approaching flower show. The local trade is most enthusiastic in regard to this event and many out-of-town growers have signified their interest by applying for exhibition space.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of the above Society was held at Horticultural Hall, on the 18th inst., Joseph McGregor in the chair in the absence of the president. Matters pertaining to the coming fall show were discussed and final arrangements made in that connection. The outlook for a fine showing of chrysanthemums is especially good—the quality being above the average this year. The same condition in regard to foliage plants was noted. Louis Burk offered an additional premium of fifty dollars for orchids, open to private gardeners only. The trade orchid men are already well taken care of in the schedule. Other matters were mostly of a routine nature. Special mention was awarded to two vases of roses, staged by William Robertson—very well finished specimens—one of Pink the other of White Killarney. The awards for early chrysanthemums were: First, Thomas Long, gardener to G. W. Childs Drexel; second, John H. Dodds, gardener to John Wanamaker. There were six entries and curiously enough each exhibitor staged the same variety, "Beatrice May." Thomas Long is a new exhibitor in the chrysanthemum world, and by his first evidence bids fair to rival the fame of many of his great predecessors in that line. William Robertson took all the other prizes offered. These included dahlias Cosmos Lady Lenox, and celery. The fall show is slated for Tuesday, Wednesday, Thursday and Friday, November, 8th, 9th, 10th and 11th. Schedules can be had on application to David Rust, secretary, Horticultural Hall, Philadelphia.

YONKERS HORTICULTURAL SOCIETY.

At the meeting of this Society on October 7, H. Nichols served as chairman in the absence of the president. Mr. Milliot was given a vote of thanks for his efficiency in managing the June show. W. H. Waite, secretary, was welcomed back from his vacation and at the next meeting will give a talk on Tea Roses. Mr. Hendry read an interesting paper on Chrysanthemums as grown in England, and the discussion thereon was participated in by Messrs. Waite, Mooney, Scott and others. Committee on Fall Show reported progress. Mr. Shepard showed fine Bismarck apples from dwarf trees planted in 1909. Next meeting Nov. 4.

DETROIT FLORIST CLUB.

The Detroit Florists Club's regular meeting night was given over to pedro and refreshments. Still the energetic president found some way to transact a little business and in consequence thereof the club will visit the extensive City nursery at Palmer Park next Sunday afternoon at 3 P. M. On Thursday, Nov. 3, the club will make its annual fall pilgrimage to Mt. Clemens, leaving in a special car at 9 a. m. This means a very instructive visit to all the large growers and we expect to have many outside florists to join in the outing.

FRANK DANZER.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the society was held at Pembroke Hall, Glen Cove, N. Y., on Wednesday, the 12th inst. The schedule for fall show is now ready, and judging from the number of prizes offered this year, the show will surely surpass all previously held by this society. A silver cup was donated to the society by "Buds" Seed Store, New York, to be competed for later on for best collection of bulbs, also a prize of \$5.00. James Holloway has been elected manager of the fall show, with the able assistance of Geo. Ashworth, and under their management the show is sure to be a success. Awards for the evening were as follows: Vase of peony-flowered dahlias, 1st, S. J. Trepass; 2nd, Henry Gaut. Cultural certificates to Geo. Dorber, Center Island, for roses Maryland and Chatenay; F. Petroccia, for onions and cauliflowers; honorable mention to J. McDonald for cosmos, also to F. Petroccia for same; to H. Gaut for sweet potatoes and cosmos; to J. Robertson for rose Ivory, also for Celosias. Next meeting will be chrysanthemum night, and prizes will be for best three pink, three white and three yellow.

ST. LOUIS FLORIST CLUB.

This club held its monthly meeting in Odd Fellows' Hall on Thursday afternoon, Oct. 13th. The newly elected officers were in harness for the first time and worked well, but the attendance was very small. The trustees were instructed to prepare an entertainment and lunch for the next meeting for the visitors who will be in attendance during the flower show. The club will recommend the appointment of Mr. F. H. Weber for S. A. F. State Vice-President for Eastern Missouri. Considerable time was taken up discussing the coal question, in which all the growers took a lively part. President Cannon said he hoped that the members would come out in full force for the November meeting and take part in entertaining visiting florists. This meeting will take place on Thursday afternoon, November 10th.

STATE FLORISTS' ASSOCIATION OF INDIANA.

The complete list of premiums just issued for the Fall Flower Show of the State Florists' Association of Indiana, to be held at Indianapolis, Ind., on Nov. 8-12, inclusive, appropriates the liberal amount of \$1,848 in cash prizes in addition to certificates of merit and S. A. F. medals. We note among the special rules for this show that all cut flowers on exhibition and all chrysanthemums and other blooming plants to which premiums are awarded, except new varieties not in commerce, shall become the property of the Association, and other blooming plants entered for exhibition except seedlings and new varieties not in commerce shall be sold under the supervision of the superintendent and 50 per cent of all such sales retained by the Association.

A meeting of the Horticultural Importers' Association was held on October 13th, at New York. This Association was formed about three years ago and includes in its membership most of the large import houses.

UNAKA.



Unaka.—The long-sought-for early October pink. Buds selected Aug. 1 to 15 give fully developed blooms Oct. 1 to 15 and are superior to earlier or later buds when color and fullness are considered. A broad petalled Japanese incurved, of great depth and size for so

early a variety. In color is intermediate between Roserie and Wm. Duckham. Exceptionally strong stem and dark green foliage. Height 4 feet from early May planting. Being an October frost seedling has a strong constitution, ensuring ease of culture and is a very free propagator.

CHRYSANthemum SOCIETY OF AMERICA.

Work of Committees.

Cincinnati, Ohio, Oct. 8.—Unaka, Inc., Jap., color satiny pink, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 18, form 12, fullness 10, stem 15, foliage 13, substance 13, size 9; total 90 points.

Cincinnati, Ohio, Oct. 15.—Chrysolora, Inc. Jap., color yellow, exhibited by Elmer D. Smith & Co. Color 19, form 13, fullness 10, stem 15, foliage 13, substance 14, size 10; total 94 points.

New York, N. Y., Oct. 15.—Chrysolora, exhibited by Elmer D. Smith & Co. Commercial scale—Color 18, form 14, fullness 10, stem 14, foliage 14, substance 14, size 9; total 93 points. Exhibition scale—Color 9, stem 5, foliage 5, fullness 15, form 12, depth 12, size 29; total 87 points.

Philadelphia, Pa., Oct. 13.—Sport of Glory of Pacific, white. Exhibited by H. Weber & Sons Co., Oakland, Md. Color 17, form 13, fullness 8, stem 14, foliage 13, substance 13, size 8; total 86 points.

C. W. JOHNSON, Sec'y.

Arthur Herrington has consented to serve as the third member of the New York examining committee.

Flowers intended for the Boston committee should be addressed to Chairman, care of Manager, Boston Flower Exchange, C. Park St., Boston, Mass.

SPRINGFIELD FLORISTS' CLUB.

The Springfield Florists' Club held their annual banquet October 10, in the Bookwalter Hotel, with about 25 members of the club around the festal board. The business meeting was held in connection and nearly all the members responded to short informal toasts.

Ex-President Roger Murphey, of Urbana, presided at the banquet as toastmaster. The newly elected president, Charles W. Schmidt, of Springfield, gave the principal address. He urged the members to get together and co-operate for their betterment. The main trend of all the talks was to get the Springfield people to plant more flowers in their lawns and thus beautify and enhance the appearance of the city residence districts.

NEWS NOTES.

Providence, R. I.—The greenhouses recently occupied by John M. Green have been taken by G. C. Berker.

Randolph, Mass.—Peter Hylen has purchased the greenhouse plant of P. Bova Count.

Philadelphia, Pa.—The Mergenthaler greenhouses have been taken over by Ernest J. F. Zeiger.

Mason City, Ia.—A. J. Lindert has been employed as office manager for the Gilbertson Nursery Co.

San Francisco, Calif.—J. Lewis and J. G. Kearns have formed a partnership to do a business in landscape and jobbing work.

Richmond, Ind.—Richmond's water cart has been carried over the dam and lost. The boys are worrying about what they will have to ride on next New Year's.

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots—2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

Hyacinths Tulips Narcissi

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer: As an inducement to secure orders for a general line of bulbs we quote: Hyacinths Unnamed Single, any color, \$2.10 per C., \$19.50 per M.

To secure these prices mention this paper

Send us an order for other varieties.

See our AD in last issue.

IF YOU WANT THE BEST QUALITY, OUR PRICES ARE LOW.

James Vick's Sons, Rochester, N. Y.

COMING EXHIBITIONS.

Lenox, Mass., Oct. 26-27, 1910.—Tenth Annual Fall Exhibition of the Lenox Horticultural Society, Town Hall; George H. Instone, secretary, Lenox, Mass.

Red Bank, N. J., Oct. 26-27, 1910.—Chrysanthemum exhibition of the Monmouth Co. Horticultural Society, in the Armory, Red Bank, N. J.

Poughkeepsie, N. Y., Oct. 27-28, 1910.—Annual Flower Show, Dutchess County Horticultural Society.

Glen Cove, L. I., N. Y., Oct. 28-29, 1910.—Chrysanthemum Show of the Nassau County Horticultural Society, Pennbroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.), N. Y.

Tarrytown, N. Y., Nov. 1-3, 1910.—Fall exhibition of the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

New Haven, Conn., Nov. 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society, Music Hall. Frederick H. Wirtz, secretary, 85 Nicall St., New Haven, Conn.

Rochester, N. Y., Nov. 1-5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association, Convention Hall. Secretary, H. B. Stringer, 24 Stone street, Rochester, N. Y.

Morristown, N. J., Nov. 2-4, 1910.—Annual Exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Fall Exhibition of Buffalo Florists' Club, Convention Hall. Wm. F. Kasting, chairman of committee.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society, Putnam Phalanx Hall. George W. Smith, secretary, Melrose, Conn.

Pasadena, Cal., Nov. 3-5, 1910.—Fall Flower Show, Pasadena Gardeners' Association, Maryland Hotel. Angus McLeod, secretary, 1632 Alleen avenue, Pasadena, Calif.

Dobbs Ferry, N. Y., Nov. 4-5, 1910.—Ninth annual flower show of the Dobbs Ferry Horticultural Association, Village Hall. Treasurer, H. Kastberg, Dobbs Ferry, N. Y.

Mt. Kisco, N. Y., Nov. 4-6, 1910.—Eighth

Annual Exhibition of the Northern Westchester County Horticultural and Agricultural Society, Whitlock's Garage, Marshall Crisman, secretary; H. A. Spavins, manager.

Chicago, Ill., Nov. 7 to 12, 1910.—Fall Exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Milwaukee, Wis., Nov. 7 to 14, 1910.—Flower Show, Milwaukee Florists' Club, Auditorium.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Exhibition, Coliseum. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis, Mo.

Indianapolis, Ind., Nov. 8 to 12, 1910.—Fall Show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, 38th street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., Nov. 9 to 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Horticultural Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

New York, N. Y., Nov. 9-11, 1910.—Seventy-ninth annual fair of the American Institute, Chrysanthemum Show, Berke-

ley Lyceum Bldg., 19 and 21 West 44th street. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Worcester, Mass., Nov. 10, 1910.—Chrysanthemum Exhibition, Worcester County Horticultural Society, Horticultural Hall. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Horticultural Society at Co. "G's" Armory, Waverly street. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

Albany, N. Y., Nov. 10 to 12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Robert Davidson, secretary, Albany, N. Y.

Minneapolis, Minn., Nov. 16 to 20, 1910.—Flower Show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, Fifth Regiment Armory. C. P. Close, College Park, Md., secretary.

THOUSANDS of DOLLARS WASHED AWAY

**FOR THE "LAND'S SAKE" Why Don't You
Terrace That Farm of Yours?**

You don't need a
Surveyor. Get a

Bostrom Improved Farm Level and do the
work yourself



THIS LEVEL IS NO MAKESHIFT. The outfit includes Level, Telescope with magnifying glasses enabling you to read the Target a quarter of a mile away; Tripod, Graduated Rod, Target, and Bostrom's 70 page book—"Soil Salvation"—giving the cream of 25 years practical experience in TERRACING, DRAINING, and IRRIGATING, with full instructions on how to use the Level. Simplicity, Accuracy, Durability, GUARANTEED. Used and endorsed in every state in the Union, also Canada and Mexico. Shipped on receipt of price \$15.00; money back if not satisfied. Or, if preferred, we will ship C. O. D. \$15.00 and express charges, subject to approval. Shipping weight 15 lbs. If not on sale in your town, order from nearest address.

BOSTROM-BRADY MFG. CO. 323-H Brunswick Bldg. NEW YORK
139 Madison Ave., ATLANTA, GA. 1139 Pine St., ST. LOUIS, MO.

A BLUE ROSE

**The Greatest
Rose Novelty
of the Century**

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitæ, Colorado Blues, &c.

Also in Catalpas, Birches, Planes, Poplars, &c. Very large Privet.

Evergreens are dug with balls.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

PUBLICATIONS RECEIVED.

"Some Greenhouses We Have Built." Published by Lord & Burnham Company, New York. This is the ninth edition of this valuable work, enlarged and completed up to present time. Its one hundred pages are devoted to illustrations and accompanying text matter covering the entire subject of Sectional Iron Frame Greenhouses, their planing, location, construction, heating and accessories, and describing progressively the various types—from straight roof lean-to up to the most elaborate combination curvilinear ranges.

The constructions figured and described in this volume are the result of over half a century's experience and progress in greenhouse designing and manufacturing. Especial pains is taken with the subject of location of a house or range of houses so that it will properly harmonize with its surroundings and in its relation to the trees and other objects in the immediate landscape. All the houses shown can be duplicated or made the subject of endless combinations, either elaborate or simple as the buyer may select as duplicate plans of the working drawings of all the erections shown in this catalogue are filed and estimates can be made without delay.

Straight roof lean-to—even span—three-quarter span—one compartment or several: curved eave type in similar progression—curvilinear type in like sequence—and then combinations of these various types in endless variety and with varied architectural treatment, are shown respectively as noted, and in each case an exterior view, interior view and ground plan are given. Then comes a series of houses specially designed for special uses, as fruit forcing, palm growing,

rose or carnation growing, etc., and a detailed description of all the parts that contribute to the complete house.

If the reader wishes to gain valuable knowledge on iron-frame greenhouse construction, let him send for a copy of this book. It "fills the bill."

Bulletin of the New York Botanical Garden, Vol. 6, No. 21. This bulletin contains 260 pages. The contributions included are: "Bolivian Mosses," Part II, by R. S. Williams; "Critical Notes on New or Little Known Species in the Herbarium of the N. Y. Botanical Garden," by B. P. G. Hochreutiner; "A Phyto-geographic and Taxonomic Study of the Southern California Trees and Shrubs," by Le Roy Abrams. The latter paper is illustrated with a number of beautiful views.

The Culture of the Chrysanthemum, by W. Wells, Merstham, England, Revised Edition for 1910. This is a revised and enlarged edition of this most interesting and instructive manual on the Chrysanthemum for Exhibition, Decoration, Cut Flower and Market. It is well illustrated with cuts showing cultural processes, etc., and is an invaluable hand-book for the up-to-date chrysanthemum grower.

Morrisville, N. J.—Prof. Hugh Finlay has been elected teacher of horticulture and gardening in the New York State School of Agriculture. During the season of 1908 he acted as landscape gardener at the Mt. Herman Schools. He also studied at the New York State School of Agriculture at Cornell University. As he is a born horticulturist, florist and gardener, with his practical training and enthusiasm it seems that he is sure to make a success of that branch of the new school.

A lily bulb is a small matter to make so much fuss about.

There would be no need of fuss if we could convince bulb growers that Horse-shoe Brand Lily bulbs will average more blooms per thousand bulbs than any other brand; that they are packed well and keep better; that they are secured from only the finest fields in the world; and that their actual cost is less than inferior goods.

Don't be fooled—at the present time there is no brand put up that will equal Horse-shoe Brand.

*You may have a catalog
if you write for it—you
are not obliged to buy*



Ralph M. Ward & Co

12 West Broadway
NEW YORK

Not How Cheap
But How Good

Formosum, Multiflorum and Giganteum ready for delivery.

ANNOUNCEMENT

MR. A. F. BARNEY and MR. J. M. GLEASON, for many years connected with Schlegel & Fottler and their successors the Schlegel & Fottler Co., where they were managers during the nine years of its incorporation, beg to inform their friends and customers that they are **NOT** connected with the consolidated house, Fottler-Fiske-Rawson Co., but have associated themselves with the THOMAS J. GREY CO., the well-established and

Reliable Seed and Agricultural Implement House

Doing Business at 32 SOUTH MARKET STREET, BOSTON

where they bespeak for themselves the same confidence and liberal patronage as extended to them during the many years of their connection with Messrs. Schlegel & Fottler and their successors.

THOMAS J. GREY, President
ARTHUR F. BARNEY, Vice-President
JOS. M. GLEASON, Treasurer
PETER M. MILLER, Secretary
J. P. A. GUERINEAU, Manager

THOMAS J. GREY CO.

Telephone Richmond 772

CATALOGUES RECEIVED.

Sluis & Groot, Enkhuizen. List of 1910 Novelties in Garden Seeds and Flower Seeds.

Rickards Bros., New York City.—Bridgeman's High Grade Bulbs for 1910. A well selected list.

Clarke Brothers, Portland, Ore.—Bulbs and Plants for Fall Planting, 1910. A neat little illustrated price list for the retail trade.

Ellwanger & Barry, Rochester, N. Y.—Special lists of specimen Evergreens and large sized Ornamental Trees and Shrubs for Immediate Effect.

E. Y. Teas, Centerville, Ind.—Whole-

sale Price List of Ornamental Trees and Shrubs, Peonies, Phloxes, etc., Fall 1910. This nursery has been 63 years under one management.

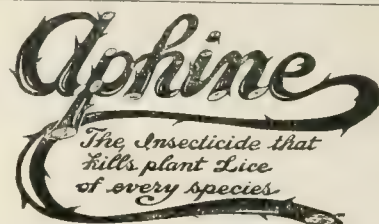
P. Ouwerkerk, Weehawken Heights, N. J.—Trade List of the Association "Flora" Nurseries of Boskoop, Holland, whose American trade is handled by Mr. Ouwerkerk. This is a very extensive and useful wholesale list.

Joseph Breck & Sons, Boston, Mass.—Descriptive Catalogue of High Grade Bulbs for Fall, 1910. Also contains a comprehensive list of roots, plants, trees, seeds, etc., for autumn planting, agricultural and horticultural implements, etc.

Storrs & Harrison Company, Painesville, Ohio.—Illustrated Catalogue of Fruit and Ornamental Trees, Shrubs, Roses and Bulbs. One of the finest publications in its class. It is unique in that no price quotations are given. A price list of material for fall delivery, 1910, is enclosed.

Cottage Gardens Co., Inc., Queens, N. Y.—Peonies, Iris, Phlox. This is a descriptive price list of the very choicest varieties of these deservedly popular specialties. There are eight full page portraits of high-class peonies. Enclosed, also, is a wholesale price list for the trade only.

Dingee & Conard Co., West Grove, Pa.—Guide to Rose Culture; Roses and Bulbs for Fall Planting. The cover illustrations are handsome portraits in natural colors of the popular Richmond and Killarney roses, and inside there are excellent illustrations, also in colors, of roses Charles Dingee, Helen Mills, Mrs. Chas. Dingee and Rhea Reid.



In writing on the care of "mums" in his "Week's Work", Mr. Fritz Bahr says:

"While on this subject I might mention our experience with the new insecticide 'Aphine.' We used this preparation on a hundred-foot Chrysanthemum house from the time the stock was planted out in May up to the present. A spraying was given once every week, and while two successive applications were required to get rid of a dose of aphid the plants had when planted out, the stock after that was kept entirely free from it, by applying a weekly spraying of a strength according to directions. I don't know what Aphine is made of, and it really matters little; the important part, besides its effectiveness, to the grower, is its cheapness, for to keep this house free from these insects didn't cost quite \$1.50 all Summer."

Thus the effectiveness and cheapness of Aphine is once more demonstrated by an expert authority.

\$2.50 per Gallon, \$1.00 per quart.

For Sale by all Seedsmen
Manufactured by

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California.

Worcester, Mass., Oct. 17.

Dear Sirs:—Please discontinue advertisement of Poinsettias; all sold.

Respectfully yours,

F. SOKOL.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white	2.00	15.00	
Delachei. Amaranth red	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers	1.50	10.00	90.00
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine	3.50	25.00	
Mme. Crousse. Cream guard; blush-white centre; tinted violet	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy white	1.50	10.00	90.00
Queen Victoria. A good early white	1.50	10.00	90.00
Reine des Fleurs. Rosy pink	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink	3.00	20.00	
Victoire Modeste. Blush rose and white	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Whitley. An old-time favorite white cut flower variety	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts	.75	5.00	40.00
Double Red. Mixed sorts	1.00	7.00	55.00
Double Mixed. All colors	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white	1.50	10.00	
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00	
Officinalis Rubra. Crimson	1.00	7.00	
Tenuifolia flore plena. Crimson	3.00	20.00	

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

A FEW SPECIALTIES IN BULBS

NARCISSUS

	Per 100	Per 1000
BICOLOR VICTORIA, selected double-nosed bulbs	1.75	16.00
EMPEROR and EMPRESS. Selected double-nosed bulbs	1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs	2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs	2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs	1.00	7.50
PRINCEPS. Selected double-nosed bulbs	1.25	9.50

TULIPS

	Per 100	Per 1000
KEIZERSKROON	\$1.25	\$10.50
LA REINE	1.00	8.00
ROSE GRISDELIN	1.00	8.50
ROSE LUISANTE	1.75	14.50
MURILLO	1.25	10.00
COURONNE D'OR	1.75	14.00
SALVATOR ROSA	1.75	14.00
GESNERIANA SPATHULATA	1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs	.75	6.00
FREESIAS, BERMUDA-GROWN. Bulbs ¾ to 1-inch and up in diameter	.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.		

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, \$17.50 per case; \$45.00 per 1000.
7 to 9 inch, 200 to the case, \$18.00 per case; \$50.00 per 1000.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2½-inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELZELI. Fine plants, 2½-inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2½-inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

Seed Trade

An Interesting Event.

A meeting of the Board of Directors of the Wholesale Seedsmen's League, was held in New York City at the rooms of the Hardware Club, Thursday, Oct. 13th, for the purpose of suggesting prices for the preliminary wholesale price lists soon to be issued. Mr. F. W. Bruggerhof, President of the League, was in the chair. The directors present were Messrs. Burpee, Buist, Breck, Wood, Landreth, F. W. Bolgiano, of Washington, acting for Albert McCullough; John L. Hunt, acting for Jerome B. Rice, and S. F. Willard. There were present as guests—Alexander Forbes, of Peter Henderson & Co.; W. C. Langbridge, of the Jerome B. Rice Seed Co.; Philip Landreth, Burnett Landreth, Jr., Howard M. Earl of W. Atlee Burpee & Co.

While we are unable to give in detail the prices agreed upon, we are informed that excepting on peas and Golden Self Blanching celery, there have been no radical changes from last year's figures. It has several times been predicted in HORTICULTURE that peas would reach new high price levels this season, and our predictions have been amply verified by the prices agreed on by the directors of the League, which will cause surprise in the trade when they are generally known. The general list of prices are the result of much painstaking thought and care, and it is believed are fairly representative of present values. These prices will soon be in the hands of members of the League and will then become public.

At one o'clock the meeting adjourned for lunch. An elaborate lunch was served in a private dining room. This lunch was given by Mr. Burpee in honor of Mr. Bruggerhof's eightieth anniversary. A feature was an immense birthday cake, surrounded by eighty red wax candles all of which were lighted for a time. At the conclusion of the luncheon which was thoroughly enjoyed, a large and beautiful silver loving cup was presented to Mr. Bruggerhof by Mr. W. Atlee Burpee on behalf of the directors of the League. We are informed that while Mr. Bruggerhof had been apprised of the luncheon, he knew nothing about the loving cup, and was therefore taken quite by surprise, and at the conclusion of Mr. Burpee's very happy and eulogistic speech, when he arose to reply, he was very visibly affected and could with difficulty control his emotions. Following Mr. Bruggerhof, nearly everyone present was called on by toastmaster Burpee, and all gladly added their tribute of praise and respect in honor of the seed trade's "grand old man," but by universal consent the palm was given to Mr. Bruggerhof, Jr., who spoke of his father with remarkable tact and delicacy.

While the name of J. M. Thorburn & Co. has been familiar words in the trade for three-quarters of a century, the social side of the man who has been its chief factor, and has done so much to increase its prestige for nearly half a century, was little known up to perhaps fifteen years ago. His austere dignity did not seem to invite

close acquaintance, and few ventured to disturb his peace unless under pressure of important business. Mr. Bruggerhof has been identified with the American seed trade for fifty-five years, having entered the seed establishment of Thorburn in 1855. He is acknowledged to be the best all around seedsman in the United States, the highest authority on the history of the seed trade in America, his views as to variations and merit commanding the highest consideration. The wholesale seed trade as represented by the League is fortunate in being presided over by a man of such ability and loving disposition.

The Meyer-Stisser Co. have opened their new store in Baltimore on Light street and they undoubtedly will have the good wishes of the liberal members of the trade. They are starting under a considerable handicap, as the scarcity of leading seed stocks will make it difficult for them to secure what they want in this line, and when they do secure them they will have to pay long prices which will place them at a disadvantage with their competitors. However, perseverance and good business judgment will probably win out for them.

Alaska Peas of high quality are in demand in Baltimore and the South generally, but as a rule the dealers are not educated to the present values. They find it very difficult to appreciate the very great shortage in peas this year and insist that conditions are exaggerated and that enough will turn up to meet all reasonable demands at moderate prices as in most other short-crop years. They will not be very long in learning, however, as definite information as to what the growers are going to deliver on contracts cannot be long delayed, and when once the facts have percolated through the craniums of those who now refuse to believe, there will be a grand scramble to secure good stocks at practically any prices quoted.

There are reports that the Department of Agriculture will have to revise their list of seeds to be sent out the coming winter, owing to the ex-

tremely short crops, consequently light deliveries of many standard varieties of seeds aside from peas. There is another rumor going around to the effect that the Department secured positive guarantees of delivery from all those with whom they placed orders last spring. Should this prove to be correct, they will be relieved of their anxiety, but those seedsmen or growers who guarantee full deliveries and especially on stocks of this year's growth, will be objects of pity, if not of sympathy.

As indicated by the announcement in our advertising section this week another important move has been made in the realignment of forces in the Boston seed trade district. The two gentlemen who have joined forces with the old established, conservative house of Thos. J. Grey Co. carry with them no small amount of prestige and good-will. Few men are so well-known and generally liked in the trade as Frank Barney and J. M. Gleason, and they understand the seed business thoroughly. The reinforced Company will undoubtedly have the best wishes of the trade for their success.

NEWS NOTES.

Mechanicsville, N. Y.—Charles Shearer has purchased the greenhouse of W. H. Allen.

Whitesboro, N. Y.—J. C. Spencer is now gardener in charge of the greenhouses of W. A. Rowlands.

Oskaloosa, Ia.—Extensive alterations are being made by the Kimble Floral Co. at their property on C avenue.

Roswell, N. Mex.—The new greenhouses and nursery of the Roswell Floral Co. opened for business here recently.

Manchester, Mass.—By mutual consent the partnership between Magnuson & Hylen has been dissolved. Mr. Magnuson purchases Mr. Hylen's interest.

Ann Arbor, Mich.—Members of the family of John Quincy, florist, are making a search for him, as he recently sold a plot of land and left town without notifying his family of his destination.

Michell's Narcissus

"The Distinctive Quality"

All our bulbs are selected with the utmost care, are of exceptional soundness and size and produce "Quality" flowers, the kind which bring the top-notch price in the market!

Double Von Sion

IS OUR LEADER

	Doz.	100	1000	5000
Extra Selected Bulbs,	\$.25	\$1.35	\$12.00	\$55.00
Double Nose Mammoth Bulbs,	.30	1.85	17.75	

Order Promptly Before the Stock Gives Out.

HENRY F. MICHELL CO., 518 MARKET ST. PHILADELPHIA

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street, - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET CHICAGO

X. L. ALL

English formula for spraying vegetation of a tender nature.

Qt. \$1.00 1-2 Gal. \$1.75 Gal. \$3.50

WM. ELLIOTT & SONS,

42 Vesey St., New York.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
342 West 14th St., New York.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

VEGETABLE PLANTS

CABBAGE—Wakefield and Succession. Per 100 Per 1000 20c. \$1.00

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball. 20c. 1.00

PARSLEY—30c. 1.25

R. VINCENT, JR., & SONS CO.

White Marsh, Md.

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived. (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

CYCLAMEN

NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Pink

Giant White Giant Blood Red

Giant Excelsior White with claret base

Picturatum Pink with claret base Giant Salmon

Price per 1000 seeds \$10.00;
100 seeds, \$1.00.

R. & J. FARQUHAR & CO.

6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820

*Thorburn's
Bulbs*

For Florists for forcing at low prices in cases only.

Lilium Formosum, 6-8,

350 in case @ \$3.00 per 100

Lilium Formosum, 7-9

250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—

send for prices per 1000

Cold Storage Lily of the Valley pips, best German grown. A few left over at \$10.00 per case of 1000, in case lots only.

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Mention Horticulture when you write

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

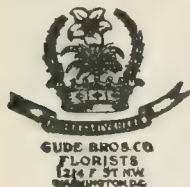
We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

New York, N. Y.—John F. Sharkey
has moved to 6th avenue and 47th
street.

Michigan City, Ind.—Gus Reicher
has purchased the florist store of W.
A. Knitzle.

Tacoma, Wash.—The business for-
merly conducted by Mrs. F. Berg-
field is now run by Mrs. M. Thayer.

New York, N. Y.—The Futaba Gar-
dens have re-opened at 613 Madison
avenue, having been closed for the
summer.

Alexandria, Va.—Charles Kreamer
has bought his sister's interest in the
Mrs. Fred Kreamer Floral Co., Fay-
ette street.

New York, N. Y.—A wholesale cut
flower department has been opened
by the New Rochelle Floral Co. at 52
West 28th street.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow...Oct. 28

Atlantic Transport.

Minnehaha, N. Y.-London...Oct. 22

Minnewaska, N. Y.-London...Oct. 29

Cunard.

Ivernia, Boston-Liverpool...Oct. 25

Campania, N. Y.-Liverpool...Oct. 26

French.

La Provence, N. Y.-Havre...Oct. 27

Hamburg American.

Amerika, N. Y.-Hamburg...Oct. 22

Pres. Grant, N. Y.-Hamburg...Oct. 26

Cincinnati, N. Y.-Hamburg...Oct. 29

Holland-American.

Ryndam, N. Y.-Rotterdam...Oct. 25

Potsdam, N. Y.-Rotterdam...Nov. 1

North German Lloyd.

Konig Albert, N. Y.-M'dit'r'n...Oct. 22

Kron. Wilhelm, N. Y.-Bremen...Oct. 25

Barbarossa, N. Y.-Bremen...Oct. 27

K's'r W'h'm II., N. Y.-Br'm'n...Nov. 1

Red Star.

Finland, N. Y.-Antwerp...Oct. 22

Vaderland, N. Y.-Antwerp...Oct. 29

White Star.

Arabic, N. Y.-Liverpool...Oct. 22

Canopic, Boston-Mediterr'n...Oct. 22

Teutonic, N. Y.-Shampton...Oct. 26

Baltic, N. Y.-Liverpool...Oct. 29

Cynric, Boston-Liverpool...Nov. 1

East St. Louis, Mo.—The Flower
shop of Miss Hattie Schnell has been
purchased by Henry Johann and J. F.
Ammann, who have formed a partner-
ship.

NEW FLOWER STORES.

Huntington, W. Va.—C. P. Dudley.
Portland, Ore.—P. Johnson, Fifth &
Washington streets.

Lawrence, Kas.—Mrs. George Ecke,
825½ Massachusetts street.

Washington, D. C.—There will be
a new market house opened at Park
Road and 14th street Nov. 1st. Two
firms of florists will be represented,
viz.: Frank Shultz and Thomas &
Sley.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspior.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS

The FLORIST
DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Jottings.

A. Meyer of South Holland is bringing in the first pom-pone chrysanthemums. Mr. Meyer specializes in pom-pone seedlings and had the first ones in last year.

J. Simpson, 3656 Ogden avenue, has greatly improved his store and show house, the latter having a cement floor and benches on the sides for potted plants. It will greatly add to their selling facilities.

Posters are up in the wholesale houses announcing the fifth annual hall of the wholesalers' employees to be given Oct. 25th at Columbia Hall. John Enders has matters in charge and a good time is assured. Tickets are \$1.00.

Chas. McKellar now has gardenias coming regularly to his wholesale store and they are arriving in good condition. Mr. McKellar was the pioneer in securing gardenias and cat-

tleys regularly for the Chicago trade long before there was any grown locally.

Strawberries no longer cause any surprise, for reports are coming in daily of the second crop. In Whiting, Ind., the berries are large and of fine flavor. Snowballs are in bloom and many of the most experienced cannot recall this occurrence in October before.

Hoerber Bros. are finding the White Killarney superior to the Bride at this time of the year, but they grow a large number of the latter for winter blooming. Mr. Hoerber thinks that the day of the Bridesmaid is about over as a commercial flower. After experiencing most of the trials of the beginner, this firm now has things in fine shape for a good season.

Among the growers who made a record at the State Fair at Springfield were Poehlmann Bros., who made 25 entries and secured that exact number of premiums; and the Chicago Carnation Co., who carried off eight premiums on eight entries. The Washington won first premium. This carnation is of a true Lawson color and blooms five days old that showed no signs of fading were seen by the writer.

During the Ogden Avenue street carnival last Saturday evening J. Simpson had his delivery wagon in the parade. It was done entirely in salvias, using masses of the plants around the wagon, which was edged with bunting and a huge bunch of salvia at either side of the front. It was pronounced an unusually effective piece of decorating by those who saw it. These carnivals are held each Saturday in various parts of the city and are taken advantage of by the florists who wish to make themselves known as progressive.

New Business Enterprises.

Announcement has been received here of the purchase of the Floral Confectionery store of Michigan City, Ind., by A. C. Reicker. It was formerly owned by Wm. Kintzele.

Chas. Maier has opened a new retail store at 3223 Armitage Ave.

Miss Loretta E. Miller was in Chicago last week making arrangements for fixtures and stock for the new store at Findlay, O. She was formerly with J. H. Wallen.

J. Martini, lately with the E. Wienhoeber Co., is now with J. Hobart Moore at Lake Geneva, Wis. Mr. Moore has a very large private place

and is just now building a 20 x 100 ft. house for peaches and grapes. It is of Lord & Burnham construction and will be a model house for the purpose.

Personal.

The will of the late Geo. Wittbold, founder of the Geo. Wittbold Co. and pioneer florist of Chicago, has been filed. By it the estate, valued at \$57,000, is divided between his seven children and one daughter-in-law, his wife having considerable property in her own right. Fred Wittbold, formerly vice-president of the firm, will become president.

Visitors—Mr. Creighton, representing A. T. Boddington, New York; A. W. Wonaske, Milwaukee, Wis.; A. Martini, Lake Geneva, Wis.; A. L. Glaser, Dubuque, Ia.; E. Haentze, Fond du Lac, Wis.; C. M. Weaver, Paw Paw, Mich.; Morgan Bros., one in charge of the retail store and the other in the greenhouses of J. F. Wilcox, at Council Bluffs, Ia.; Loretta Miller, Findlay, O.; Miss Rennison, Sioux City, Ia.; L. S. Donaldson, Minneapolis, Minn.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 918 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th
New York—Dards, N. E. cor. 44th St. and Madison Ave.
New York International Floral Assoc., 425 Broadway.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Taliby.

In ordering goods please add "I saw it in HORTICULTURE."

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England promptly

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TALIBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

253 Lake Street, Kendallville, Ind.

Mention HORTICULTURE when you write

MUMS

White, pink and yellow.

FANCY \$15.00-\$25.00 per 100. FIRST \$12.00-\$15.00 per 100.
MEDIUM \$10.00 per 100. SMALL \$8.00 per 100.

We are offering varieties of mums that are as good as they can be thoroughly good, honest value and always satisfactory.

BEAUTIES

The best \$25.00 per 100.

Well grown stock. Strong stems with perfect foliage.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

228 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Oct. 18	TWIN CITIES Oct. 18	PHILA. Oct. 18	BOSTON Oct. 20
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	28.00 to 35.00	30.00 to 35.00	15.00 to 25.00
Extra	15.00 to 20.00	20.00 to 25.00	15.00 to 25.00	10.00 to 15.00
" No. 1	12.00 to 15.00	10.00 to 20.00	12.00 to 15.00	6.00 to 8.00
" Lower grades	5.00 to 10.00	5.00 to 10.00	8.00 to 10.00	1.00 to 3.00
Bride, 'Maid, Chateaux, F. & S. ...	5.00 to 6.00	5.00 to 8.00	5.00 to 6.00	2.00 to 4.00
" Lower grades	2.00 to 4.00	2.00 to 5.00	3.00 to 4.00	.50 to 3.00
Killarney, Richmond, Fan. & Sp. ...	5.00 to 8.00	6.00 to 10.00	6.00 to 8.00	3.00 to 6.00
" Lower grades	3.00 to 5.00	4.00 to 6.00	3.00 to 5.00	1.00 to 3.00
Kaiserin, Maryland, Fan. and Sp. ...	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 8.00
" Lower grades	3.00 to 5.00	3.00 to 6.00	3.00 to 5.00	1.00 to 2.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.00 to 3.00	2.00 to 3.50	1.50 to 3.00	1.25 to 1.50
"	1.00 to 2.00	1.00 to 2.00	1.50 to 2.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	30.00 to 60.00	..... to 40.00	25.00 to 40.00
Lilies, Longiflorum	12.00 to 15.00	12.50 to 15.00	..... to 12.50	6.00 to 10.00
" Speciosum .....	..... to .....	..... to .....	..... to .....	..... to 3.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Asters	2.00 to	2.00 to 3.00	..... to .....	..... to
Violets .....	.40 to .75	.75 to 1.00	.30 to .50	.35 to .60
Snapdragon .....	..... to .....	..... to .....	..... to	1.00 to
Gladioli	2.00 to 4.00	3.00 to 7.00	..... to	2.00 to 4.00
Chrysanthemums	8.00 to 2.00	15.00 to 25.00	15.00 to 30.00	4.00 to 12.00
Geranias	20.00 to 25.00	..... to	15.00 to 25.00	10.00 to 25.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	12.00 to 14.00	..... to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	50.00 to 75.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" " & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	..... to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Flower Market Reports.

BOSTON Chrysanthemums are coming on apace but the call holds out very encouragingly and prices have not been broken on good material so far. White and yellow sorts are best sellers, Halliday leading in the latter. Roses are on full crop. Beauty sells well and with lily of the valley shares the best of the demand. In carnations, which are now coming in excellent quality, Pink Delight is the favorite variety and this popular sort is surely in for a good record throughout the coming season. Violets are good but there is no demand for them. There are a few nice sweet peas in evidence this week. Southern smilax, laurel and cut box-wood are enjoying an unprecedented demand for so early in the season.

BUFFALO For the past three weeks this market has been in good condition and no complaint can be made. Carnations are coming on more freely. Dahlias and cosmos have been in good supply and have moved well. Such varieties as Jack Rose, Nymphaea, Arabella and Sylvia have had a good call though the 20th Century has sold quite satisfactory this season. Chrysanthemums are coming on in good supply, the Indian summer weather of the past week has brought them on faster than desired. Such varieties as October Frost, Bergmann, Kalb, Polly Rose, Pacific Supreme and Monrovia are had in quantity and quality. The beauty demand has fallen off somewhat and the coolers are doing their part in holding them. Also other roses which have been quite plentiful. Lily of the valley has sold well. Business in general has been good.

CHICAGO Too many flowers and too few buyers is the general complaint as the last half of October begins. The month opened cool and after several days in which the thermometer stood close to the freezing point it slowly rose and by the middle of the month 82 degrees was reached and held steadily. The effect on stock can be readily imagined. With fall trade hardly under way and all the flowers the market could handle in most lines already here the extremely warm weather has brought on stock in great quantities. Beauties and chrysanthemums are suffering most, but carnations and roses are both feeling the summer weather. Apprehension for the Thanksgiving stock prevails as blooms are opening up at an alarming rate. Violets are again out of season just as they were beginning to be considered in. As heretofore those who have a big shipping trade are the ones who can dispose of their stock to advantage, particularly of chrysanthemums.

DETROIT Prevailing Indian summer weather, with more than ordinary high temperature, is holding business back. Carnations are ruling extremely high, the best quality of Enchantress, White Cloud and Flamingo selling at \$4.00 per 100. So far the handling of chrysanthemums has not been very profitable. Growers ship the cut blooms not fully developed and without first keeping them in a cool room and soak-

(Continued on page 583)



1000 YARDS 4 SALE

Tying Tape Special

A new Pennock-Meehan introduction for tying boxes and packages. It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1,000 YARD SPOOL, \$1.75

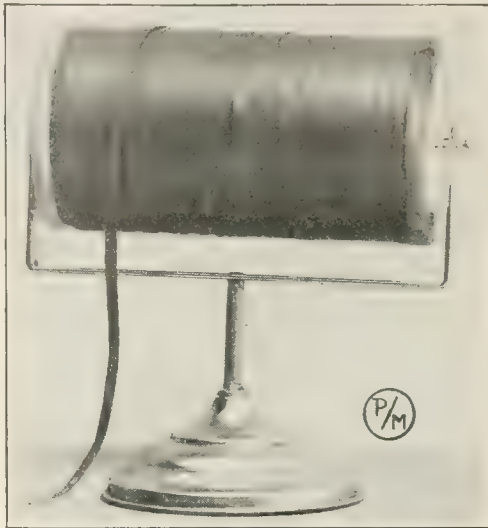
Stock Colors: Foliage green, violet, red, light blue and white.

We can furnish special colors to match any color box on three weeks' notice.

Tape Reels or Holders

Gun Metal and nickel plated; an elegant counter requisite.

\$1.50 EACH



We are now booking orders for Robert Scott & Son's new roses, Melody and Double Killarney. MELODY, own root, 2½-inch, \$6.00 per dozen; \$30.00 per 100; \$70.00 per 250; \$250.00 per 1000. DOUBLE KILLARNEY, own root, 2½-inch pots, \$3.00 per dozen; \$20.00 per 100; \$150.00 per 1000; grafted, \$30.00 per 100; \$250.00 1000. March 1 delivery.

S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE PHILADELPHIA FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Oct. 18		DETROIT Oct. 18		BUFFALO Oct. 18		PITTSBURG Oct. 17	
ROSES								
Am. Beauty, Fan. and Sp. ....	..... to	15.00	25.00 to	35.00	20.00 to	25.00	20.00 to	25.00
“ Extra .....	..... to	10.00	20.00 to	25.00	15.00 to	20.00	15.00 to	18.50
“ No. 1	6.00 to	8.00	15.00 to	20.00	7.00 to	10.00	8.00 to	12.00
“ Lower grades	3.00 to	4.00	4.00 to	12.00	4.00 to	6.00	4.00 to	6.00
Bride, 'Maid, Chateaux, F. & S.	3.00 to	6.00	6.00 to	8.00	7.00 to	8.00	6.00 to	.....
“ Low. gr.	2.00 to	3.00	3.00 to	5.00	2.00 to	4.00	3.00 to	4.00
Killarney, Richmond, Fan. & Sp.	5.00 to	6.00	6.00 to	8.00	7.00 to	8.00	6.00 to	8.00
“ Lower grades	2.00 to	3.00	3.00 to	5.00	2.00 to	4.00	3.00 to	4.00
Kaiserin, Maryland, Fan. and Sp.	5.00 to	6.00	6.00 to	8.00	3.00 to	8.00	6.00 to	8.00
“ Lower grades	2.00 to	3.00	3.00 to	5.00	2.00 to	4.00	3.00 to	4.00
CARNATIONS, Novelty and Fancy	2.00 to	3.00	3.00 to	4.00	2.50 to	3.00	2.00 to	3.00
“ Ordinary	1.00 to	2.00	1.00 to	2.00	1.50 to	2.00	1.00 to	1.50
MISCELLANEOUS								
Cattleyas .....	..... to	50.00	50.00 to	60.00	40.00 to	50.00	50.00 to	75.00
Lilies, Longiflorum .....	..... to	10.00	..... to	15.00	8.00 to	12.00	10.00 to	12.00
“ Speciosum .....	..... to	.....	..... to	.....	3.00 to	4.00	..... to	.....
Lily of the valley	3.00 to	4.00	3.00 to	4.00	3.00 to	4.00	2.00 to	5.00
Asters .....	..... to	.....	..... to	.....	.25 to	1.50	..... to	.....
Violets .....	.50 to	.60	.50 to	.75	.60 to	.75	.60 to	.75
Snagdragon	2.00 to	4.00	..... to	.....	..... to	.....	..... to	.....
Gladioli	2.00 to	3.00	3.00 to	6.00	..... to	.....	3.00 to	5.00
Chrysanthemums	10.00 to	20.00	20.00 to	25.00	6.00 to	20.00	6.00 to	25.00
Gardenias .....	..... to	.....	..... to	.....	..... to	.....	..... to	.....
Adiantum	1.00 to	1.00	1.00 to	1.50	.75 to	1.25	1.00 to	1.50
Smilax	18.00 to	15.00	..... to	15.00	..... to	15.00	12.50 to	15.00
Asparagus Plumosus, strings (100)	..... to	50.00	20.00 to	30.00	40.00 to	60.00	30.00 to	50.00
“ & Spreng. (100 bchs.)	10.00 to	20.00	20.00 to	30.00	35.00 to	50.00	25.00 to	50.00

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
Comprised every variety
grown for New York market, at current prices
49 West 28th St., New York City
TEL. 1998 MADISON SQUARE

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone-3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 15 1910		First Half of Week beginning Oct. 17 1910	
American Beauty, Fancy and Special.....	15.00	to 25.00	15.00	to 25.00
" " Extra.....	11.00	to 15.00	10.00	to 15.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'field, Chateaux, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Richmond, Fancy and Special.....	4.00	to 5.00	3.00	to 6.00
" " Lower Grades.....	5.00	to 2.00	.50	to 2.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	4.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	.50	to 2.00
Carnations, First Quality.....	2.00	to 3.00	2.00	to 3.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 / 1665 } Madison Square CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 / 5893 } Mad. Sq. 113 W. 28 St., New York.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.



BUY
BOSTON FLOWERS
N. F. MCCARTHY & CO.,
84 Hawley St.
BOSTON'S BEST HOUSE

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply Houses

Palm Leaves, \$5.00 per thousand
Magnolia Grandiflora Leaves, \$3.00 per ten thousand
Florida (gray) Moss, 200 pounds for \$5.00
CASH WITH ORDER. 25 YEARS' EXPERIENCE.
VICTOR SCHMELZ & SONS, R. 2, Sanford, Florida.

Flower Market Reports

(Continued from page 581)

ing them up with water. These neglects cause the blooms to flag very quickly in store or living rooms.

Lots of outside

PHILADELPHIA stuff around yet,

and as business is

nothing above normal, the past week was anything but wonderful in the way of cleaning up the big shipments of all kinds of materials arriving. We have had one slight frost but not enough to do any material damage. Chrysanthemums are getting more plentiful all the time, and while the quality is improving, they cannot as yet be called very classy—except small lots here and there. Pacific Supreme is the best light pink just now. Polly Rose leads in white, with Monrovia and Golden Glow in yellow. Robert Halliday and Virginia Poehlmann are expected in a few days. There are far more dahlias arriving than the market can absorb. Jack Frost is a week overdue (as compared with last year), so until his arrival the dahlia men are glad to get all they can out of the situation. The rose market continues fairly satisfactory. American Beauties are good and are selling right up, but it is expected there will be bigger cuts soon and the present figures are liable to ease up within the next ten days. No one looks for much improvement in Richmonds and Liberties until we have had cooler weather. There are some very fine pink Killarney coming in. This weather just suits Kaiserin, which is at top notch still. White Killarney is also fine. Brides and Bridesmaids do not amount to much any more, although there are still a few around. Duchess of Wellington is in and looking fine. We see no Harry Kirk this year. A lovely variety and fine for outside, but they say not enough dollars and cents to the square foot indoors. Carnations are more plentiful and showing something like form at last. White Perfection, Enchantress, Beacon and O. P. Bassett lead the procession. Orchid prices are hardening up some consequent on an increased demand but supply still quite plentiful. Gar-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 15 1910	First Half of Week beginning Oct. 17 1910
Cattleyas.....	20.00 to 30.00	20.00 to 30.00
Lilies, Longiflorum.....	5.00 to 6.00	5.00 to 8.00
" Speciosum.....	2.00 to 3.00	2.00 to 3.00
" Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Violets.....	.20 to .40	.20 to .50
Snaps.....	2.00 to 3.00	2.00 to 3.00
Gladioli.....	1.00 to 2.00	1.00 to 2.00
Chrysanthemums.....	5.00 to 30.00	5.00 to 30.00
Gardenias.....	8.00 to 12.00	8.00 to 15.00
Adiantum.....	.50 to 1.00	.50 to 1.00
Smilax.....	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings.....	15.00 to 35.00	15.00 to 35.00
" & Spreng. (100 bchs).....	10.00 to 24.00	10.00 to 25.00

denias and lily of the valley are both selling well. It is too warm yet for violets. The stock is all right but they don't keep well. Any amount of splendid cosmos to be had at buyer's price.

NEW YORK

ily oversupplied with flowers of every sort, and there seems to be no possible outlet for half of them. A week of balmy Indian summer has coaxed everything and everybody out, and with so much of charm in the air and the landscape, people lose no time contemplating florists' products. Roses, carnations, chrysanthemums, orchids, gardenias and a host of lesser things are piling in rapidly and they are jostled on all sides with barrels of cosmos, dahlias and such garden material which, in the usual order of things, should have vacated the premises by this time. As a rule, everything is of excellent quality. As the days pass the chrysanthemums advance in variety and quality and there are plenty of flowers around which would do credit to an exhibition table. More seasonable weather conditions will, no doubt, improve matters. Already it looks as if the crest of the wave had been reached with Cattleya labiata. The supply has been, and still is, enormous, and these noble flowers have had to struggle for a market at prices hitherto unheard of in the orchid trade.

INCORPORATED.

Martinsburg, W. Va.—The Hart-Clohan Co., agricultural and horticultural. Capital stock, \$75,000. Incor-

porators, Charles B. Hart, Morgan O. Hart, Wheeling; Alexander Clohan, Nathaniel T. Frame, of Martinsburg.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Heller Bros. Co., New Castle, Ind.
Asparagus Sprengeri, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. **Luther Maynard**, R. 13, Knoxville, Tenn.
Asparagus Sprengeri, 3 in., strong, \$3.00 per 100. **The Schafer Estate**, Ballston Spa, New York.
Asparagus Sprengeri, 2 1/2 in., \$2.00 per 100; \$18.00 per 1000. **W. E. Trimble Greenhouse Co.**, Princeton, Ill.
Asparagus plumosus, extra fine 3-in., 5c. You will have to hurry and order, they won't last long at this price. Nice plants. **H. M. Humfeld**, Frankfort, Ind.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2 1/2 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. **Julius Roehrs**, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. **Lord & Burnham**, 1123 Broadway, N. Y.
Kreuschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. **C. S. Harrison**, York, Nebraska.

BOXWOOD TREES

McHutchison & Co., New York, N. Y.
New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. **Julius Roehrs Co.**, Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. **Lord & Burnham Co.**, 1123 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Eickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
Superior Bulbs.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.
The New England Nurseries, Inc., Bedford, Mass.

CANNAS

CANNAS—Best sorts, big stock. Send for list. **C. Betscher**, Canal Dover, O.
Cannas, divided roots, and can ship at any time. **King Humbert**, \$4.00 per 100; **Imp. Mont Blanc**, \$7.00 per 100; **Wm. Saunders**, \$8.00 per 100; **Rosea Gigantea**, \$12.00 per 100; **Wawa**, \$15.00 per 100. True stock. **A. B. Campbell**, Cochranville, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
For page see List of Advertisers.

CARNATIONS—Continued

Carnation Plants—Field grown, fine Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, \$5.00 per 100 for cash with order. **M. J. Schaaf**, Dansville, N. Y.

Field-grown carnation plants.
Winona 6.00 100 50.00 1000
Aristocrat 4.00 100 35.00 1000
Des Plaines Floral Co., Des Plaines, Ill.

First-class field plants, Boston Market and Lawson Enchantress, \$3.50 and \$4.00 per 100. Order quick. **A. W. Meyer**, South Holland, Illinois.

Carnation plants, field-grown, Mrs. Thos. W. Lawson, \$5.00 per 100. Harlowarden, \$4.00 and \$3.00 per 100. Cash with order. **M. J. Schaaf**, Dansville, N. Y.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. **I. L. Pillsbury**, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FOR SALE—Strong stock plants of Golden Glow, \$5.00 per 100. **R. T. McGorum**, Natick, Mass.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. **Parks & Schaufelberger**, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co.**, Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. **C. Betscher**, Canal Dover, O.

Cactus Dahlia, **Grace Arnold**, new seedling, beautiful pink, white centre, very large, best of form. First-class certificate at Newport Stock for sale. **W. H. Arnold**, Dahlia grower, Box 107, Jamestown, R. I.

DAISIES

Daisies, **Bellis**, giant double mixed, 100, 30c.; 1000, \$2.00. **Chas. Frost**, Kenilworth, N. J.

For List of Advertisers See Page 589

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

Anton Schultheis, College Point, L. I.,
N. Y.

DRACAENAS

1000 Dracena Indivisa, strong plants
from field 10c., 15c., 20c. Boston Ferns, 5
inch 30c., 7 inch 75c. Whittmanil, 5 inch
30c., 7 inch 75c. Elegantissima, 5 inch 30c.,
7 inch 75c. Ferns for dishes \$3.00 per 100.
Bannister Bros., Syracuse, N. Y.

Dracaena indivisa, fine strong plants,
2 in. pots, \$2.00 per 100. Cash. F. A.
Albrecht, Jr., 90 Vanderveer St., Brook-
lyn, N. Y.

1000 Dracaena Indivisa. Strong field-
grown plants, heavy. 10, 15, 20c. Cash
with order. F. S. Follwell, Pittsfield, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Heller Bros. Co., New Castle, Ind.

Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
try. Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

Bench Boston Ferns, strong, clean,
healthy stock, for 4 and 5 in. pots \$10.00
per 100, cash. F. Sokol, Worcester, Mass.

Nephrolepis Whitmanil, Superbissima,
Schoelzeli and Scotti, 5 in. pot plants,
\$4.00 per doz., \$25.00 per 100.

The Storrs & Harrison Co., Painesville, O.
Neph. Whitmanil, 2 1/4-inch pot, \$3.50 per
100, \$30.00 per 1000. Scotti, 2 1/4-inch, \$4.00
per 100, \$35.00 per 1000; strong runners
from the bench. Whitmanil & Scotti, 2c.
each. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

For page see List of Advertisers.

A. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums—Rooted cuttings, winter de-
livery, S. A. Nutt, \$11.50 per 1000; Ricard
and Poitevine, \$14.00 per 1000. Albert
M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures,
all sizes. C. Betscher, Canal Dover, O.

Gladioli, Groff's hybrids and Childsil,
\$2.00 per 1000 and up. Chas. H. Weiss &
Sons, R. D. 2, Portsmouth, Va.

GLASS

Boston Plate & Window Glass Co., Boston
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 50 Montrose Ave.,
Brooklyn, N. Y.

For page see List of Advertisers.

GLASS — Continued

Metropolitan Material Co., 1892-1402 Metro-
politan Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. Jeha-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
tles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1350-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GREVILLEA

Grevillea robusta—Strong, 2 1/2 in. pots,
\$4.00 per 100. Chas. Lenker, Freeport,
N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America,
J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 3 in., 1 crown, \$5.00 per 100; 4 in., 2 to 6 crowns, \$10.00 per 100; 7 in., 8 to 12 crowns, \$35.00 per 100; 9 in., about 20 crowns, 50c. each. Cash. F. Sokol, College St., Worcester, Mass.

Field-grown Hydrangea Otaksa, 6 crowns or more, \$10.00 per 100. The Schafer Estate, Ballston Spa, New York.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Field-grown English Ivy, ready for 4 and 5-inch pots, 2½ to 3 ft., 2 to 5 breaks, "heavy stock," \$7.00 per 100, \$65.00 per 1000. Leonard Long, Oakhurst, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries, 4 in., \$10.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leathy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LAND LEVELS

Bostrom-Brady Mfg. Co., Atlanta, Ga.
For page see List of Advertisers.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM FORMOSUM

Lilium formosum, 7 x 9, \$19.50 per case of 300 bulbs. August Rolker & Sons, P. O. Box, 752, New York, N. Y.

LILIUM HARRISH

F. R. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
Carolina and Lombard Popular.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers

ORCHID PLANTS—Continued

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leathy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Young Ptychosperma Alexandrae seedlings in surplus. Make us offer for quantity you need, per 100 or 1000, postpaid. Royal Palm Nurseries, Oneco, Florida.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

Palms. Phoenix rec., 3-in., 6c.; 4-in., 8c.; strong seedlings, \$2.00 per 100. W. E. Trimble Greenhouse Co., Princeton, Ill.

PANSY PLANTS

20 varieties of giant flowering pansies, in separate colors or mixed, \$2.50 per 1000. Chas. E. Sharp, Mt. Vernon, Ohio.

Kenilworth strain of Giant Pansy plants, 100, 50c.; 1000, \$3.00. Chas. Frost, Kenilworth, N. J.

Pansy plants, fancy show and giant market blends, ready now, \$2.00 per 1000. Cash. F. E. Saunders, 25 Burnett street, Providence, R. I.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PERENNIALS

EXTREMES MEET!
MINIMUM COST. MAXIMUM QUALITY.
This is demonstrated fully in our 1910 catalogue of

PERENNIALS AND OTHER**HARDY PLANTS**

which we grow exclusively by the acre.
Free for the asking.

PALISADES NURSERIES, INC.,
SPARKILL, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

For List of Advertisers See Page 589

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Kreuschell Bros. Co., 406 Erie St., Chicago.
For page see List of Advertisers.
- Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1123 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

PRIMULAS

- Frank Oechslein, 4911 Quincy Street, Chicago.
For page see List of Advertisers.
- BLAZING TORCH.** finest novelty in Chinese primroses. The most dazzling intense scarlet, large flowering fringed; even the roots are the color of beet roots, which is unlike other variety. Strong plants, ready for 4-in. pots, \$7.00 per 100. Stock limited. John F. Rupp, Shiremanstown, Pa.
- Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

PUBLICATION

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

- John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Robbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
- R. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
- Eliwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- The Rose by H. B. Eliwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.
- Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Roses, 200 Crimson Rambler, small 2 yrs., \$4.00 per 100. Dorothy Perkins, large 2 yrs., \$7.00 per 100. Cash. W. H. Arnold, Dahlia grower, Box 107, Jamestown, R. I.

SCALECIDE

R. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

- C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.
- Brasian Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.
- Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

SEEDS

- T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.
- Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.
- Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.
- W. Atlee Hurpee & Co., Philadelphia.
New Sweet Peas.
For page see List of Advertisers.
- Arthur T. Boddington, New York.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.
- Sickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
- Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.
- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
For page see List of Advertisers.
- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
- Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Seed, Lobelia cardinalis, \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

SMILAX

- Heller Bros. Co., New Castle, Ind.
Smilax, 2 in. cut back, \$1.50 per 100.
Chas. Frost, Kenilworth, N. J.

SNAPDRAGONS

Snapdragons, 2-in. pots, Golden Yellow, Coral Red, Rose, Ruby Red, Rose-pink and White, best varieties and novelties for forcing, \$2.50 per 100, \$22.50 per 1000. Dinstel Bros., 1851 No. 62nd Ave., Chicago.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway N. Y.

VINCAS

- Vinca variegata, field-grown, \$5.00 per 100. Stevia, 5 in. pots, \$6.00 per 100. Or. will exchange for Boston Violets, or any desirable stock. Charles H. Green, Spencer, Mass.
- Vinca Variegata—Strong field-grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

VINCAS—Continued

Vinca Var., field stock, \$4.00 per 100. Cut or not cut back. A. B. Campbell, Cochranville, Pa.

VIOLETS

- Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
- Violets—Princess of Wales, healthy, field-grown, \$50.00 per 1000. Chas. Lenker, Freeport, N. Y.
- Violets, field-grown. Princess of Wales, \$5.00 per 100. Cash with order. W. E. Trimble Greenhouse Co., Princeton, Ill.
- VIOLET BLOOMS.**
Marie Louise violet blooms, ready now, good stem and color, 50c. per 100 for month of October; \$1.00 per 100 for November. Cash with order. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Heaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- Wirework. Write for our catalogue. Helton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Wirework. Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100. The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE
By far the
CHEAPEST.
JUST NOTE PRICE!

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

WHOLESALE FLORISTS — New York — Continued

- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 183 W. 28th St., New York.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.,
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York,
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.

A WARNING.

- W. W. Hathaway, Brockton, Mass.
For page see List of Advertisers.

BUSINESS ANNOUNCEMENT.

- Thomas J. Grey Co., Boston, Mass.
For page see List of Advertisers.

INVESTMENT OFFER.

- Patriarche & Co., Buffalo, N. Y.
For page see List of Advertisers.

NEW ROSES.

- S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

PALM AND MAGNOLIA LEAVES, MOSS.

- Victor Schmeltz & Son, Sanford, Florida.
For page see List of Advertisers.

RED OAK ACORNS.

- Adams & Co., Harbor Springs, Mich.
For page see List of Advertisers.

SPRAYING COMPOUND.

- Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 22.50

Swamp & Walter Co. 50 Barclay St.,
New York.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

New Offers in This Issue—Continued.

SPECIMEN TREES, EVERGREEN AND DECIDUOUS.

- The F. E. Conine Nursery Co.,
Stratford, Conn.
For page see List of Advertisers.

WATERPROOF CREPE PAPER.

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE SEED GROWERS.

- Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

PLANT PATHOLOGIST WANTED.

The Civil Service Commission will hold an examination Nov. 9 for the position of Plant Pathologist, Bureau of Plant Industry, at Washington. The salary is \$1600 to \$1800 a year. Applicants will not be assembled for any of the tests and for further information should apply to the Commission in Washington.

FOR SALE.

Greenhouse, 20 x 100 feet, most of material nearly good as new. Price, about one-half cost of new. L. W. Goodell, Dwight, Mass.

FOR SALE—McCray Florist Refrigerator. Good as new, particulars on application. Address B. A. Gage, 76 Burrance street, Providence, R. I.



**NIKOTEEN APHID PUNK
AND
NIKOTEEN LIQUID**
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

Cattle Manure in Bags Shredded or Pulverized

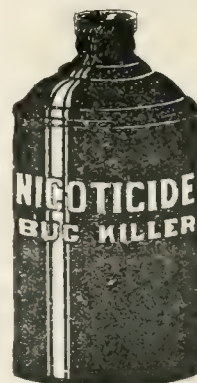


Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY

In ordering goods please add "I saw
it in HORTICULTURE."

List of Advertisers

Page	Page	Page	Page
Adams & Co.....526	Hunt, E. H.....583	Schultz, Jacob.....578	Thornburn, J. M.....577
Advance, The Co.....591	Intern'tl Floral Association.....578	Schultheis, A.....542	& Co.....577
Allen, J. K.....582	Kasting, W. F. Co.....582	Scott, John.....563	Thurlo's, T. C. Sons, Inc.....564
American Nurseries.....564	Kentucky Tobacco Product Co.....588	Sharp, Partridge Co.....590	Totty, Chas. H.....563
Alpine Mfg. Co.....574	Kervan Co.....582	Sheridan, W. F.....582	Traendly & Schenck.....582
Armstrong Mfg. Co.....589	King Cons. Co.....591	Siggers & Siggers.....591	Valentine, J. A.....578
Aschmann, G.....562	Krick, W. C.....583	Skidelsky & Irwin.....577	Vicks, Jas. Sons.....572
Badgley, Reidel & Meyer.....582	Kroschell Bros. Co.....591	Slinn, B. S., Jr.....582	Vincent, R., Jr. & Sons.....563-577
Banner, J. L.....583	Kuebler, W. H.....583	Smith, E. D. & Co.....564	Wadsworth, B. E.....563
Barnard, W. W. Co.....577	Lager & Hurrell.....562	Smith, P. J.....582	Wants, For Sale.....589
Barrows & Son.....562	Landscape Architecture.....564	Smith, W. & T. Co.....564	Ward, R. M. & Co.....573
Bayersdorfer, H. & Co.....579	Langjahr, A. H.....582	Smyth, Wm. J.....578	Waterer, John & Sons.....564
Beaven, E. A.....583	Lawrence, H. V.....578	Standard Plate Glass Co.....590	Welch Bros.....580
Bobbink & Atkins.....564	Leonard Seed Co.....577	Stearns, A. T. Lumber Co.....591	Wilson.....578
Boddington, A. T.....577	Leuthy, A. & Co.....563	Stump & Walster Co.....588	Wood Bros.....563
Boston Florist Letter Co.....583	Long, W. H.....578	Syracuse Pottery Co.....590	Yokohama Nurseries.....563
Boston Plate & Window Glass Co.....590	Lord & Burnham Co.....592	Tailby.....579	Young, A. L.....582
Braslan Seed Co.....577	MacMulkin, E.....578		Young & Nugent.....578
Breck, J. & Son.....577	Matthews.....578		Zinn, J. A.....579
Breitmeyer's, J. Sons.....578	McCarthy, N. F. & Co.....583		
Bridgeman's Seed Warehouse.....577	McConnell, Alex.....578		
"Buds".....577	McCray Refrigerator Co.....579		
Buffalo Land Security Co.....589	McCullough's, J. M. Sons Co.....580		
Burpee, W. A. & Co.....577	McHutchinson & Co.....563		
Burr, C. R.....564	McKellar, C. W.....580		
Buxton, Doane Co.....591	McManus, Jas.....582		
	Metropolitan Material Co.....591		
	Miami Valley Seed Co.....575		
	Michell, H. F. Co.....576		
	Michigan Cut Flower Ex.....583		
	Millang, A.....582		
	Millang, Chas.....582		
	Millang, F.....582		
	Moltz, A. & Co.....582		
	Moninger, J. C. Co.....591		
	Moore, Hentz & Nash.....582		
	Morse, C. C. & Co.....577		
	Murray, Samuel.....578		
	Nicotine Mfg. Co.....588		
	N. E. Nurseries.....564		
	Niessen, Leo Co.....580		
	Oechslin, Frank.....563		
	Ordenez Bros.....562		
	Ouwerkkerk, P.....564		
	Palethorpe, P. R. Co.....588		
	Palmer, W. J. & Son.....578		
	Park Floral Co.....578		
	Parshelsky Bros.....590		
	Peacock Dahlia Farms.....573		
	Pennock-Meehan Co.....563-581		
	Perkins St. Nurseries.....563		
	Peters & Reed Co.....590		
	Pierce, F. O. Co.....591		
	Pierson, F. R. Co.....575		
	Pierson, A. N.....563		
	Pierson U-Bar Co.....592		
	Poehlmann Bros.....580		
	Pratt, B. G.....588		
	Pulverized Manure Co.....588		
	Raedlein Basket Co.....580		
	Red Oak Nurseries.....564		
	Reed & Keller.....583		
	Reinberg, Peter.....580		
	Rice Bros.....580		
	Rice, M. & Co.....562		
	Rickards Bros.....577		
	Robinson & Co.....580		
	Rock, Wm. L.....578		
	Roehrs, Julius Co.....562-563-572		
	Roland, Thos.....563		
	Rolker, A. & Sons.....590		
	Rosens.....580		
	Sander & Son.....562		
	Schmelz, Victor & Son.....583		

DURING RECESS.

Chicago Florists' Bowling Club. Game scores October 12.

CARNATIONS.			
	1st	2nd	3rd
Ayers.....	151	173	132
Krauss.....	123	128	132
Winterson.....	157	144	181
Schultz.....	155	112	132
A. Zeck.....	132	156	197
VIOLETS.			
	1st	2nd	3rd
Vaughan.....	132	179	141
Liebermann.....	132	153	136
Schiller.....	115	149	122
Lorman.....	177	118	101
Yarnall.....	185	162	150
ORCHIDS.			
	1st	2nd	3rd
Huebner.....	144	153	155
Graff.....	164	170	152
Degnan.....	146	134	144
Farley.....	143	157	151
Zeck.....	168	133	157
ROSES.			
	1st	2nd	3rd
Wolf.....	177	157	190
Byers.....	121	165	107
E. Johnson.....	171	168	156
Kruchten.....	146	123	154
Al. Fischer.....	133	177	140

Arrangements are under way for a ball to be given by the Bowling Club during the week of the Flower Show.

Astoria Florists' Bowling Club.

On Thursday evening, October 13, the following very creditable scores were made by the expert twirlers of this aggregation of Long Islanders:

Dorhoefer.....	165	142	153	124
Donaldson.....	193	205	167	180
Eismann.....	154	135	150	174
Kessler.....	213	139	128	173
Jacobson.....	119	133	125	178
Edmondson.....	125	127	114	105
Lorenz.....	159	183	131	...
Miesem.....	156	191	144	182
Wm. H. Siebrecht.....	180	162	150	133
H. Siebrecht.....	164	140	117	...
Bleckweinn.....	110	157	148	124
W. H. Siebrecht, Jr.....	...	129	...	...

TO THE TRADE

W. W. HATHAWAY,
Brockton, Mass., hereby give notice
that anyone soliciting money in my
name is an imposter.

Make the Farm Pay



Prof. Brooks | able professors in leading colleges.

250 page catalog free. | Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

PUT YOUR SAVINGS IN RESIDENTIAL BUILDING LOTS.

Be sure they are in improved sections. Buy close to a big city. Purchase early, don't let others make profits out of you. The greatest fortunes were made by realty investments. We will offer 1000 choice building lots on December 1st, at prices that will pay very handsome profits. Terms of purchase, \$25.00 cash, per lot, balance in thirty-six equal payments. No interest or taxes during this period. If you die before completing your payments, a deed is given your heirs, without further cost. Size of lots, 25 ft. by 120 ft. and upward. Price of lots, \$75.00 and upward, according to location. By investing in land you own something for your money. Investments in stocks or savings accounts are under the control of others. We guarantee you a profit of at least 25 per cent. for the first year. Subscription lists are now open. By remitting us \$10.00 per lot, subscribers get first selections. The first 500 subscribers will also receive a credit of 10 per cent. on their purchase. Act now. Let us make money for you and protect your savings.

We want agents in your locality. Write us the names and addresses of some of your neighbors. Do it now.

BUFFALO LAND SECURITY CO.
Ellicott Sq., Buffalo, N. Y.

HELP WANTED

LEARN WIRELESS AND R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Daveport, Ia., Columbus, S. C., Portland, Ore.

SITUATIONS WANTED

SITUATION WANTED on first class private or commercial place, by German gardener 30 years of age, experienced in all lines, fully able to take charge. The best of references on hand. Please state wages and particulars to E. O., care HORTICULTURE PUBLISHING CO., Boston, Mass.

The advertiser is open for an engagement with any gentleman or florist requiring the services of a good grower. Have had extensive experience both under glass and outside work, such as grading, flowers, fruit and vegetable growing. Well recommended, English, married, age 38. John Thatcher, Chester, W. Va.

FOR SALE

FOR SALE

3 TUBULAR BOILERS

66 in. by 18 ft., perfect condition and cheap.
ADDRESS

ARMSTRONG MFG. CO., Springfield, Ohio.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **PARSHESKY BROTHERS, INC.,** 59 Montrose Ave., Brooklyn, N. Y.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

89 Montrose Ave., BROOKLYN, N. Y.

DREER'S Florist Specialties KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00
B 12 1/4 "	.75	8.25	65.00
C 13 1/4 "	.85	9.35	75.00
D 14 1/4 "	1.00	11.00	90.00
E 15 1/4 "	1.25	13.75	110.00
F 16 1/4 "	1.50	16.50	130.00

Three largest sizes have
handles.

Special PAUL TUB

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

GREENHOUSES BUILDING OR CONTEMPLATED.

- York, Pa.—H. S. Brandt, addition.
Atlanta, Ga.—J. P. Matthesson, one house.
Oskaloosa, Ia.—Theo. Greeve, one house.
Winsted, Conn.—John David, one house.
Port Huron, Mich.—C. W. Asman, addition.
Wellston, Mo.—Alexander Johnson, one house.
Bozeman, Mont.—John Marhalik, one house.
Providence, R. I.—James J. King, one house.
Farmer City, Ill.—Bracken & Bay, one house.
Trenton, N. J.—Carlman Ribsam, five houses.
Blissfield, Mich.—B. N. Niles, house 10 x 40 feet.
St. Louis, Mo.—Mullanphy Floral Co., addition.
Middletown, N. Y.—Joseph Richards, addition.
Providence, R. I.—D. N. Potter, house 40 x 85 feet.
Cantonville, Md.—John McCormick, house 21 x 60 feet.
Anaconda, Mont.—R. M. Greig, house 50 x 140 feet.
Louisville, Ky.—Nanz & Neuner, house 20 x 100 feet.
Chicago, Ill.—Frank Oechslein, propagating house 9 x 110 feet.
Van Wert, Ohio.—Mrs. L. T. McConahy, house 20 x 120 feet.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,

2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

New York, N. Y.—City of New York, Bronx Park, four houses.
Norwood, Pa.—Robert Craig Co., three houses each 21 x 150 feet.
W. Lebanon, N. H.—Samuel P. French, 50 foot bedding out house.
Corvallis, Ore.—Oregon Agricultural College, two houses 20 x 30 feet and three houses 20 x 90 feet.
Ronks, Pa.—Charles M. Weaver, house 43 x 300 feet. Elmer J. Weaver, range of houses each 10 x 96 feet.

PATENTS GRANTED.

- 972,220. Plant Bench for Hothouses. John O'Donoghue, Jersey City, N. J.
972,289. Hand Cultivator. Robert J. Teeter, Ellis, Minn.
972,404. Weeder. Linnaeus C. Pond, Los Angeles, Cal.

New Haven, Conn.—The Elm City Nursery Co. have just let contracts for a large addition to their packing shed facilities and also storage cellars where bay trees and other half-hardy plants can be stored through the winter. They are also extending their office floor space and adding to their drafting room.

Holds Glass Firmly
See the Point 45
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/4 " " 5.25	120 7 " " 4.20
1500 2 1/2 " " 6.00	60 8 " " 3.00
1200 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.90	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
200 5 1/2 " " 3.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent off for cash with order. Address
Hilfinger Bros., Pottery, Fort Edward, N.Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our

Florist' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."
SIGGERS & SIGGERS
PATENT LAWYERS
Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND
Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.
METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

KROESCHELL HOT WATER BOILERS
ORDER NOW
TELEGRAPH AT OUR EXPENSE
This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.
More Kroeschell Boilers and Generators used for greenhouse heating than any other make.
Send for catalogue
KROESCHELL BROS. CO.
466 West Erie St., CHICAGO, ILL.
WILL SHIP WHEN WANTED
PAY AFTER BOILER REACHES YOU

GREENHOUSE CONSTRUCTION

IF YOU HAVE NO OBJECTION TO PURLIN POSTS YOU WILL FIND KING SEMI-IRON CONSTRUCTION VERY SUPERIOR IN DESIGN GIVING GREAT STRENGTH AND RIGIDITY OF FRAME AND RESISTING ALL STRAINS AT REASONABLE COST.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.



Front View of one of our iron frame ranges erected for Karl Stoeckel, Norfolk, Conn.



Rear view of the same range

SOME DAY YOU WILL BE IN THE MARKET FOR A GREENHOUSE. WHEN THAT DAY COMES, COME TO US.

There is always a best in everything, so why not one of our Iron Frame Houses.

HITCHINGS & COMPANY

1170 BROADWAY - - - NEW YORK



Plan 105

Just another one of those splendidly proportioned Curvilinear Palm Houses that we have been building so many of lately.

It has a raised vestibule lobby and the sunken garden effect for the rest of the house.

It is, to our way of thinking the ideal way of treating Palm houses.

Get Two of the Advance Sheets to our New Catalog shows several interiors of Palm Houses that are arranged with the raised vestibule or lobby. If you have these Advance Sheets look on pages 54 and 55. If you haven't, then send for them. We want every Gardener and Superintendent to have a set.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII.

OCTOBER 29, 1910

No. 18



ANNUAL BANQUET OF BOSTON FLOWER EXCHANGE, INC.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

RICE STANDARD

RICE STANDARD

CHIFFON

WATERPROOF KIND

Water DON'T Affect This CHIFFON.

We have it in 4, 6 and 10 inch widths.

All colors at 4, 6 and 10 cents per yard.

This is quite an improvement over the plain kind—
Samples on request—TRY SOME—We know it is
right—NUF SED.

KATALOG for the asking

The Leading Florists' Supply House — Ribbon Specialists

M. RICE & COMPANY

Importers and Manufacturers

1220 Race Street,

PHILADELPHIA, PA.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Ship-
per of Our Specials, Araucaria Excelsa
Compacta Robusta, Excelsa Glauca, Ken-
tia Belmoreana and Forsteriana, also
Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2½ inch \$30.00 per 1000.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 100; 25c at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

ORCHIDS

*Largest Importers, Exporters, Growers
and Hybridists in the World*

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and
Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country.
Established and freshly imported. Also ma-
terial in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SPECIAL PRICES.

CALIFORNIA PRIVET.

	Per 100	Per 1000
8 to 4 ft., extra heavy.	\$4.00	\$35.00
2 to 3 ft., extra heavy.	8.00	25.00

BERBERRY THUNBERGII.

	Per 100	Per 1000
18 to 24 in.	\$10.00	\$80.00
12 to 18 in.	8.00	60.00

CAROLINA POPLAR.

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

LOMBARD POPLAR.

(Low Branched)

	Per 100
10 to 12 ft.	\$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.,
The Burr Nurseries,
Manchester, - Conn

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Trees, Shrubs, Vines
and
Herbaceous Perennials
of excellent quality
at moderate cost

My Catalog is yours for the asking

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - - R. I.

Box Trees

and other **EVERGREENS** for **Tubs and Boxes**
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

LANDSCAPE ARCHITECTURE

A QUARTERLY

50 cents an issue. 2 dollars a year

Official Organ of the American So-
ciety of Landscape Architects.

Devoted to the interests of the pro-
fession. It will contain authorita-
tive articles on CITY PLANNING,
PARKS, GARDENS, PLANTING
and all subjects appertaining to the
art of Landscape Architecture.

Published and edited by CHARLES
DOWNING LAY, HENRY VIN-
CENT HUBBARD and ROBERT
WHEELWRIGHT, at 103 Park Ave.,
New York City.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas,
Arbovitae, Colorado Blues, &c. Also in
Catalpas, Birches, Planes, Poplars, &c.
Very large Privet.

Evergreens are dug with balls.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

Cornus[®] canadensis

Cornus canadensis, the dwarf cornel, or bunchberry, is a native plant, abounding in woody sections and low lands of our northern frontier and in Canada. Although mentioned in various works on herbaceous plants, I have not so far seen it to any extent in cultivation, but I am an ever-growing admirer of its modest charms. Its vivid white and green in beautiful contrast and furthermore the wonderful simplicity in form of the flower and outline of the veiny foliage are a real delight to the beholder. In August this dark green becomes a fitful background for the bright coral red bunches of berries which adorn our dwarf cornel until late in the fall. Like the *cornus succica* of Scandinavia this cornel does not belong on the perennial flower border.

It would be still more out of place in the formal garden, but it has proven a very desirable and under proper condition effective plant for low and moist sections of rock gardens, and many now bare and uninteresting spaces in shady situations afford opportunities for its use to good advantage. The question of effective ground surface covering under given conditions is ever present. *Cornus canadensis* may in various localities be helpful in solving such problems. The growing desire to enliven the vernal aspect of natural park landscapes by cheerful colors has now and then led us to naturalizing masses of crocus, narcissus and other bulbous plants. Bright and gay as are such plantations, we feel and know their temporary character. The modest display of the thin sheet of white of our herbaceous *cornus canadensis* and the bright red glimmer of its berries are, as part of our



native vegetation, permanent. We should treasure them in no lesser degree than the European does the beauty of, for instance, his native *Anemone sylvestris*, *Hepatica triloba* and the wild *convallaria*.

I find *Cornus canadensis* thinly scattered, in the deep shade of our spruce and pine woods and more frequently, as shown by our illustration, in thick masses along the outskirts and on the sunny glades and clearings. Here its thin wiry roots ramble in the peaty topsoil, running rather close to the ground surface. A light layer of birch leaves and pine needles affords protection against the hot drying sun rays during mid-summer.

Richard Rothe

Northeast Harbor, Maine.

Among the Phloxes

Perhaps the impression would go out when one read my last on "Tricky" Peonies that our efforts along that line were failures. But at the National Association at Denver we had 30 new ones, many of them of rare beauty. But we propose to wait till they get over their youthful pranks before we give them to the public.

Our work among the phloxes, however, is different. By saving the seeds of the very best, sowing in the fall and giving the best of care, the next season we know exactly what we are doing. The flowers are as fine the first year as they ever will be. We had at least 25 kinds of marvellous beauty with single florets as large as a dollar. There was a wide range of color among them also.

Thurlow Bros. write me that most of the choice imported ones are failures, not adapted to the climate of Massachusetts. With us in the West about three-fourths are failures. Many cannot endure our hot winds, and others blight in wet weather. We are after a hardy

race and we are getting them. Arete, a cross between *Crepuscle* and *Richard Wallace*, proves to be eminently satisfactory.

A plant must score the five points of excellence. 1. It must have a symmetrical head. 2. It must be robust, enduring climatic changes. 3. It must be a ready multiplier so as to be profitable. Many kinds will stand for two years and only have a single stem. 4. It must be a prolific and continuous bloomer. 5. It should produce an abundance of seed so as to help in the work of improvement, for we are on the eve of splendid results with this glorious flower. While the majority of our seedlings show well by the side of the imported ones, we choose about one in a thousand for further testing.

C. S. Harmon

HORTICULTURE

VOL. XII

OCTOBER 29, 1910

NO. 18

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Annual Banquet of Boston Flower Exchange, Inc.	
CORNUS CANADENSIS—Richard Rothe—Illustrated...	597
AMONG THE PHLOXES—C. S. Harrison.....	597
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Calceolarias—Housing Primulas—Lifting Peonies for Forcing—Sweet Peas—Useful Evergreens—John J. M. Farrell.....	599
CANTERBURY BELL—Carl Hagenburger.....	599
CLUBS AND SOCIETIES:	
Newport Horticultural Society—Elberon Horticultural Society—No Boston Chrysanthemum Show—Northern Indiana Florists' Association San Diego Floral Association—Massachusetts Horticultural Society Chicago Florists' Club—Florists' Club of Philadelphia	600
Perpetual Flowering Carnation Society, England—Club and Society Notes.....	601
ROTTING OF CATTLEYA LABIATA BUDS—Paul de Nave	601
DURING RECESS:	
New York Bowling—Chicago Florists' Bowling.....	602
SEED TRADE:	
The New League Prices—The Pea Situation—France Celery Seed—California Limas—Notes.....	608
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.....	610
A Floral Picture Frame, Illustrated—Flowers by Telegraph	611
FLOWER MARKET REPORTS:	
Boston, Buffalo.....	613
Chicago, Cincinnati, New York, Philadelphia.....	615
OBITUARY:	
Peter Lambert—John R. Lesh Frank Nicola.....	622
MISCELLANEOUS:	
Chrysanthemums at Hartford.....	601
Rochester Florists Lead the Way.....	602
New Orleans Notes.....	602
Boston Flower Exchange.....	602
The Insecticide Act of 1910 Benj. Hammond.....	603
A Failure in Boston.....	603
Catalogues Received.....	603
Philadelphia Notes.....	604
Personal	604
Chicago Notes.....	605
Washington Notes.....	605
Coming Exhibitions.....	606
Bulb Industry of the Netherlands.....	608
An Event at Amherst.....	608
News Notes	601-620-622
Greenhouses Building or Contemplated.....	622

little practical benefit to Springfield plant growers and shippers, and that their interests were more closely allied to those of the Association of American Nurserymen. The last named organization is a noble body doing splendid work and when we say that we think the speakers' advice a mistake we don't mean to reflect in the least on the Nurserymen's Association. We should be disposed to question first of all whether anyone whose name had never appeared on the membership roll of a Society such as the S. A. F. is in a position to make so broad a statement in public. The same speaker recommended the organization of a National Association of Plant Shippers. This might be desirable and, as it looks to us, the best course to pursue in carrying out such a project would be to follow the example set by the retail florists last summer and organize as a section under the auspices of the Society of American Florists. With all due respect to the nurserymen, we think this would be the more logical alliance and probably the nurserymen would think so, too.

Modernizing the flower show

Preliminary information in regard to the fall flower exhibitions which are soon to open seems to indicate a widespread awakening by show promoters to the need for some carefully studied plan in advance so that the exhibition shall present an impressive and dignified effect as a whole, which has not always been the case with flower shows. Buffalo, for instance, has placed the planning and decoration of the hall in the hands of a well-known firm of landscape gardeners and it will be the aim to so arrange and group the exhibits and accessories in such relationship to the concrete effect that a well-balanced and harmonious spectacle will greet the visitor, instead of the incongruous and piece-meal picture so often presented. It is announced from Chicago that plans of similar character are to be carried out there, and among the attractions will be a reproduction of the famous Luxembourg gardens in Paris. Rochester has already, a year ago, demonstrated what might be done in this direction and made such a success of it that this year the plans are still more ambitious. There will be a Japanese garden, waterfalls, fountains and landscape effects, for all of which designs have been prepared by an artist of repute. Elaborate settings and original color schemes, in keeping with the character of the exhibits, will contribute to the impressiveness of the scene. The sequence of competitive exhibits as we are accustomed to see them will undoubtedly be disturbed more or less by the carrying out of these innovations but it is generally acknowledged that the "still life" show has come to be a very precarious venture and if we want to have these affairs "animate with human life" and to hold their own as a magnet for the amusement loving public something radical must be done. HORTICULTURE has for years persistently urged the necessity of reform in this direction and we now extend heartiest commendation to our progressive friends in their effort to elevate the art of flower show arrangement to a higher standard.

We learn from an interesting account of the annual banquet of the Springfield (O.) Florists' Club, published in a local daily paper, that one of the speakers advanced the opinion that what he heard at the annual gatherings of the Society of American Florists was of

The plant
shippers'
affiliations

Seasonable Notes on Culture of Florists' Stock

CALCEOLARIAS

From now on the outdoor frame cannot be regarded any longer as a proper place for these plants. With the impending danger of frost, the sashes will have to be more tightly closed which is bound to create an overmoist atmosphere, and this is very detrimental to this class of plants. Give suitable quarters in the coolest house you have and keep at about 40 degrees at night. Calceolarias should never be subjected to much artificial heat, but at the same time they need all the light and sunshine that will come their way now. On all bright days give an abundance of fresh air, but direct cold drafts should not sweep through the plants. Plants that are becoming pot-bound should be shifted as they may need it. They like a rather light loam, not sifted too fine, with about a third of thoroughly rotted manure and sufficient coarse sand to keep the soil open. Fumigations in mild doses often will aid in keeping down the dreaded greenfly.

HOUSING PRIMULAS

These plants such as *Primulas obconica*, *sinensis* and *Forbesi* gain nothing in the way of vigor or durability by a late sojourn out in frames. They will do much better if transferred now any time to a cool, well ventilated house, where they can have closer attention that will enable them to finish up into nice salable plants. Should there be some needing a shift it would be better to give it without further delay. For the last shift use a compost consisting of some fibrous loam, say two parts, rotten cow manure one part, and the other part of leaf mold and sand. Four, five and six-inch pots will make very useful sizes, as will also some neatly made-up pans, fancy dishes, and baskets arranged for Christmas sales. Plants for this use should by this time be almost full grown. Keep the plants as near the glass as possible as this will make them sturdy. Give them room to spread out so as to form symmetrical plants. From now on a temperature near 45 degrees at night will suit them well.

LIFTING PEONIES FOR FORCING

Those who intend to force peonies this winter should now make preparation for lifting and storing them. They can be put any place where they will be accessible when they are wanted for forcing. There is no better place than a cold frame that can be protected with some material as leaves or stable litter. It takes from 8 to 10 weeks from putting them into heat until they flower. So if the grower has any special occasion to meet he can calculate on the above time. Start the clumps under glass with a temperature of from 55 to 60 degrees at night and maintain the same as uniformly as possible. When the buds show they should be fed liberally with liquid manure. For the best blooms the lateral buds should be removed as soon as they are formed.

SWEET PEAS

Don't try to hurry by fire heat the time of flowering of your sweet peas. While letting them have every ray of sunshine possible they should also have plenty ventilation on all favorable occasions. Never let them get dry at the roots as they are a moisture loving plant; this means good strong stems and flowers. Give the leading shoots attention. Keep them faithfully tied up to the strings, as you will get your first and most valuable flower from the top of these leading growths. If allowed to be neglected for any length of time they are bound to have crooked stems, which impairs their value very much. Have a watch out for the green worm much similar to the cabbage worm; go over the vines often and

pick the worms off before they become too numerous. It is a good practice with those that grow a lot of chrysanthemums, to sow some sweet peas now in 4-inch pots; these will come into full bearing by the spring and should be a paying proposition for most florists.

USEFUL EVERGREENS

There is a growing demand for evergreen decorative subjects for the adornment of business and private houses, such as the approaches to stores, hotels, club houses, theatres and restaurants. In order to meet this demand pot-grown evergreen trees that are densely set, with a compact growth and of pleasing appearance should be regarded as a side line to almost any general plant business. Make a start by procuring from some of the well-appointed nurseries that are found through the columns of the HORTICULTURE. There are many hardy evergreens to choose from such as spruces, cypress, junipers, arbor vitae, and retinsporas. This is a good time now to get these plants and pot them up, using good strong tubs. The soil best suited for these trees should be a heavy soil rather than a light one, which has been enriched but sparingly.

VIOLETS

It will soon be the days of dark and gloomy weather, which means more fire heat to keep the desired atmospheric conditions right in the house. It is a good plan every morning to examine your beds in order to find the dry spots. Don't start and water the whole bench when there are only a few dry places. To keep them too wet is as bad as keeping them too dry; we must guard against these two extremes and if we expect to keep our plants in a healthy growing and flowering condition the soil should be kept as evenly moist as possible all the time. The soil should be kept open by frequent stirring of the surface—at least once a week if possible, thus insuring sweet soil and allowing plenty of air to reach it. At all times keep the air pure and dry by giving all the air that outside conditions and weather will permit, at the same time putting a little heat on in order to keep the air dry; this holds good during rainy and misty weather so as to combat that great ruiner of the violet, the spot. Fumigating each week will keep the plants clean of fly, but should not be given too heavy. Make temperature from 40 to 45 degrees at night with 10 degrees warmer when possible during the day. Syringe occasionally on bright days for red spider.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Cyclamen; Cypripediums; Bulbous Stock; Early Freesias; Florists' Winter Requisites; Roses.

Canterbury Bell

Canterbury Bell, grown as a pot plant from the seedling up, makes one of the most showy plants in cultivation and as easily grown as a geranium. By growing them on all summer in pots, shifting them as soon as rooted through, up to 6 and 7 in. pans, letting them get two or three good freezes and then bringing them into a cool house just above freezing until after Christmas, then gradually raising the temperature to 55 by March 1st, they will come in fine flower for Easter. They want plenty of water and a light dose of liquid about twice a week after March 1st, or when in good growing condition. They also are a fine thing for cutting, grown in benches.

Wm. W. Anderson

CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

At the regular meeting of this society held on the evening of Oct. 25 several exhibits of flowers were placed for inspection which served to make a very interesting meeting. The chief exhibit was a vase of extra fine Morton F. Plant and Beatrice May chrysanthemums in six inch pots by Frank Jenkins who was awarded a cultural certificate for same. Wm. J. Matson also showed a sample of a very pretty rose-colored seedling chrysanthemum for which he was awarded a certificate of merit, and William Grey, gardener for Mrs. Wm. B. Leeds, showed a handsome vase of Gypsophila elegans alba grandiflora which is one of the newer varieties of that graceful and quick growing annual. A cultural certificate was also awarded that exhibit. The committee on awards for the evening were John A. Forbes, John B. Urquhart and William Mackay.

Sergeant-at-arms W. Smith was requested to have an extra supply of flower vases on hand at the next regular meeting Nov. 8, and it is expected that more than the usual number of exhibits will be there. It was also hinted that a paper on some horticultural subject will be read by one of the most skillful growers of the society and an unusually interesting meeting is looked forward to. Financial Secretary A. S. Meikle made an additional report on the recent ball which proved that it was the most successful affair of the kind that the society has ever held.

Alex. MacLellan, who was present, timely reminded the members that Mr. Louis L. Lorillard, who recently died abroad, was an honorary member of the society and gave it substantial support for many years. Remarks from other members present also showed that the death of Mr. Lorillard was much regretted. J. R.

ELBERON HORTICULTURAL SOCIETY.

The Elberon Horticultural Society held a meeting on October 17th. President Peter Murray in the chair. Election of new officers resulted as follows: President, James Kennedy; vice-president, Charles E. Duncan; secretary, John MacGregor; assistant secretary, William B. Seymour; treasurer, Anthony Bauer. All correspondence in regard to the chrysanthemum exhibition should be addressed to Charles O. Duncan, Elberon, N. J.

ALEX. FLEMING, Rec. Sec.

NO BOSTON CHRYSANTHEMUM SHOW.

Boston will have no chrysanthemum show this year. It is many years since this popular autumn event has been omitted. The reason is that at the time the schedule of exhibitions for 1910 was made up it was expected that a remodelling of Horticultural Hall would be under way during the summer and fall of this year. The alteration plans were later given up for the present.

NORTHERN INDIANA FLORISTS' ASSOCIATION.

This Association met at South Bend, Ind., October 19, and after a fine dinner provided by the South Bend florists, we were treated to a car ride to see the various greenhouses of the city. When we finally assembled at the store of Willis Kinyon it was 4.30 o'clock; after disposing of the regular routine of business, we had two very interesting talks, one by Mr. Humfeld of Muncie, on the poinsettia; the other by Mr. White of North Manchester, on the cyclamen. We next discussed the advisability of establishing a buying agency, to buy pots, boxes, etc., in quantity, and thus secure better prices.

The exhibits were quite a feature; a large representation being brought, consisting of carnations Dorothy Gordon. Enchantress and Columbia by Wagoner Floral Company, Columbia City; Kaiserin roses, three foot stems from solid beds, ten years old, Golden Gate chrysanthemums, table ferns and asparagus by Muncie Floral Company; carnations and pompon dahlias by Johnson Floral Co., Kendallville; carnations by Harry White, North Manchester; Richmond roses by Willis Kinyon, South Bend; tuberous begonia by W. W. Dederich, Warsaw; carnations and chrysanthemums by Mr. Troyer, Elkhart; Gladiolus America bulbs by Mr. Arnold of North Judson; photograph of gladiolus, not named, which appeared to be exquisite, and chrysanthemums by South Bend Floral Company.

After tendering a vote of thanks to the South Bend florists for their royal entertainment, we adjourned to meet at North Manchester the third Wednesday in January when we expect to receive samples and prices on boxes, pots, etc., and decide on a make which we will all use. This will mean several thousands of dollars for the one we select as we now have thirty-three members representing eighteen flourishing cities and towns in northern Indiana. A. J. WAGONER, Sec'y.

SAN DIEGO FLORAL ASSOCIATION.

The annual exhibition under the auspices of this Society opened Monday, October 17, in the palm court of the U. S. Grant Hotel and was well patronized by the elite of the city as well as visiting horticulturists from many other points. The display was an excellent one, contributions coming from practically every local nurseryman and florist and a number of out-of-town exhibitors as well. Among the most notable exhibits by professionals were dahlias from Howard & Smith, ferns and decorative plants from E. Bonard, Mission Valley Nursery, water lilies from E. D. Sturtevant of Hollywood, and promiscuous nursery stock from Paul G. Thiene, Ramona Nursery. P. A. Barnhart, of Los Angeles, editor of The Pacific Garden, and D. W. Coolidge, of Pasadena, officiated as judges. Mr. Barnhart judged the cut flowers and Mr. Coolidge the plants.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The nominating committee of the Massachusetts Horticultural Society has announced its list of candidates for the officers of the Society for the year 1911, to be filled at the annual meeting of November 17. The list is as follows: President, Charles W. Parker; vice-president, for two years, John K. M. L. Farquhar; trustees, for three years, Ernest B. Dane, John A. Pettigrew, Stephen M. Weld, Wilfrid Wheeler; nominating committee, Francis H. Appleton, Frederick W. Damon, Harry E. Fiske, Charles W. Hoitt, Josiah B. Shurtleff, Jr.

The committee for 1910 by whom these nominations are made consists of Charles H. Breck, Duncan Finlayson, H. F. Hall, Dr. Charles S. Minot and H. W. Rawson. In accordance with the by-laws of the Society, two weeks are allowed for further nominations should there be any and the annual election will be held at Horticultural Hall on Saturday, November 17, from 12 to 4 o'clock.

WM. P. RICH, Secretary.

Horticultural Hall, Boston, October 20, 1910.

CHICAGO FLORISTS' CLUB.

A special meeting of the Chicago Florists' Club was held Oct. 20th and the following were elected to membership: F. S. Howard, E. L. Schultz, R. Reeve, Al. Fischer. The following applications were also reported: F. N. Martin, Thos. Lanig, Fred Dietrich, John Then.

The usual club banquet to out-of-town visitors will be held at 6.30 p. m., Thursday, the week of the flower show. The subject of the ball to be given that week by the Chicago Bowling Club came up for discussion and the date was decided upon as following that of the banquet, probably Friday.

Pres. Asmus appointed the following committees: On banquet—A. C. Kohlbrandt, W. N. Rudd, A. Henderson, F. Lautenschlager, D. A. Robinson; on flower booth—H. E. Philpot, H. Schiller, H. N. Bruns, F. Pasternick, W. H. Kidwell, A. I. Simmons, J. Curran; on restaurant and bar—A. Henderson, T. E. Waters, T. C. Yarnall, E. F. Winterson.

John Then showed a fine red carnation which he has been trying for several years, and it was given a certificate of merit on a score of 87 points.

Elmer D. Smith of Adrian, Mich., exhibited a vase of his new yellow chrysanthemum Chrysolora, which scored 93 points and was awarded a certificate of merit. A portrait of Chrysolora will be found on another page of this paper.

FLORISTS' CLUB OF PHILADELPHIA.

The subject for discussion at the next meeting of the club will be, "A Few Hints on the Proper Method of Pruning," by Thos. B. Meehan. He will have specimens and give practical demonstration. This should interest every member of the club, even though he knows only that of disbudding roses, carnations and chrysanthemums.

PERPETUAL FLOWERING CARNATION SOCIETY, ENGLAND.

This Society is arranging to hold an exhibition in London, in December. Interest in this particular branch of horticulture is being well maintained, judging from the number of new varieties which have been placed on the market by British raisers. The following is a list of the seedlings which have been registered by the Society this year: Albert E. Manders, orange with red stripes; Edith Waters, cerise, raised by C. F. Waters, Balcombe, Sussex; Aurora, buff, marked with pink; Bridesmaid, deep salmon pink; Countess of March, salmon pink; Daphne, deep pink; Fortuna, yellow; Marmion, cherry red, picoteed with white margin; Mikado, deep heliotrope; Mrs. W. B. Clode, reddish salmon; Mrs. W. J. Hunter, cherry; Mrs. Tatton, white, overlaid with pink and margined white; Orpheus, bright yellow ground, marked with pink and white; R. F. Felton, pink; Snowball, white; Snow White, white, raised by H. Burnett, Guernsey, Channel Islands; Duchess of Devonshire, bright crimson; Lady Henderson, flesh pink, raised by Young & Co., Cheltenham, Gloucestershire; Empire Day, pale salmon pink, raised by A. Smith, Enfield Highway, Middlesex; Emperor, white ground, striped carmine, raised by W. H. Lancashire, Guernsey, Channel Islands; Harlequin, yellow ground, heavily striped red, raised by C. Engelmann, Saffron Walden, Essex; Lady Dainty, white, overlaid purple; Rival Coral, red, raised by Stuart Low & Co., Bush Hill Park; Pride of Wharfedale, mauve ground, marked pink; The Socialist, scarlet, raised by J. Wormald, Harrogate, Yorkshire; Etna, bright orange scarlet; Mascot, salmon pink; O. K., blood red; Pink Pearl, rose, raised by Hayward Mathias, Medstead, Hampshire.

W. H. ADSETT.

CLUB AND SOCIETY NOTES.

The Tarrytown Horticultural Society's exhibition will be held in Irvington, N. Y., this year.

The premium list for the show of the Horticultural Society of Chicago amounts to over \$6,000 in cash prizes.

The outing of the Detroit Florist Club to the city nurseries at Palmer Park was greatly enjoyed by all who participated and Mr. Hunter, who started the same and is still in full charge of it, received well earned and unstinted praise.

The Massachusetts Horticultural Society has appropriated a number of gold and silver medals to be awarded at the National Flower Show next March by its own plant and flower committee to objects of special merit which may be shown there.

Christopher C. Shaw, of Milford, N. H., the oldest active traveling salesman in New England, was re-elected president of the New Hampshire Horticultural Society on Oct. 22nd. Mr. Shaw is 86 years old and is still actively engaged in business.

On Oct. 14th a well attended meeting of the North Shore Horticultural Society was held at Manchester, Mass. W. B. Jackson was the speaker for the evening and took for his subject, "A few suggestions in the use of flowers for decorative effect."

CHRYSOLOGORA.



This new variety can be briefly described as an early Col. D. Appleton, coming in 15 days earlier; is of larger size, stronger stem, not quite as tall and in color is intermediate between this variety and Maj. Bonnaffon. We consider this one of our greatest achievements, possessing sterling

worth from the commercial standpoint, while its size and splendid keeping qualities permit its taking a prominent part at the exhibitions. Best buds are those selected Aug. 1st to 15th. Awarded 93 points at New York and 94 points at Cincinnati commercial scale, October 15th, 1910.

ROTTING OF CATTLEYA LABIATA BUDS.

Editor HORTICULTURE:

Can you advise me in reference to *Cattleya labiata*? Plants make fine strong sheaths, buds push up in sheaths about an inch or more, then stand still and finally rot, sheaths remaining in apparently healthy condition. Thanking you, Very truly yours, G. B.

In growing *Cattleya labiata* in pots, baskets or on boards one of the most critical times in the culture of that species is when the buds are beginning to form and push up into the sheaths.

As is well-known, *Cattleya labiata* is the only one that will throw a double sheath, and therefore it should be carefully watered at that critical time, because when the inside sheath pushes through the outside one it breaks the latter and when watered overhead or when drip falls into it, the water runs between the sheaths and becomes stagnant inside as it has no way of running out and the buds being not strong enough to absorb it, rot inside of the sheath before getting above water.

This is my opinion in this matter and should anybody think or know any other reason for the trouble I shall be very glad to hear about it.

PAUL DE NAVE.

Fall River, Mass.

CHRYSANTEMUMS AT HARTFORD.

Elizabeth Park, Hartford, Conn., is revelling in the finest chrysanthemum exhibition ever given there. Beginning last Monday evening the greenhouses are lighted until 10 P. M. and the roads and paths leading thereto are also well lighted. The display of single-flowered varieties is especially fine.

NEWS NOTES.

Birmingham, Ala.—Richard Massey has plans for an Italian garden to cost \$5,000.

Meriden, Conn.—John J. Bonell, florist, 131 Converse avenue, has been nominated for senator.

Beverly, Ohio.—W. T. Mitchell & Son, nurserymen, are building a packing house 80 x 120 feet.

Gorham, Me.—Roland Barrows has installed a new heating apparatus in his greenhouse on Main street.

Putman, Conn.—Alex. Maine, formerly proprietor of the greenhouses on Providence street, has moved to Pittsburg, Pa.

Mayville, Wis.—Charles Schuhmann has purchased the greenhouse and florist business of Miss Ella Naber. He will remove the house to his property on North Main street.

ROCHESTER FLORISTS LEAD THE WAY.

A movement to make Rochester more beautiful has been inaugurated by the Rochester Florists' Association by the adoption of the report and recommendations of a committee which has been studying the question for months. It is proposed, with the aid and co-operation of the citizens, to establish in all parts of the city individual and community competitions, cash prizes to be offered for the owner or occupant of a home who excels his neighbors in the neatness of his lawn or beauty of his flower garden, or the particular community, street or section of the city which is awarded the distinction of having the best appearing streets, lawns and gardens. The details of the plan are set forth in the following report of the special committee composed of W. H. Dildine, A. R. Luetchford and R. G. Salter, which has been unanimously adopted by the florists:

Your committee to investigate the possibility of arousing interest on the part of owners and occupants of dwellings in Rochester in the improving and beautifying of their streets and grounds, and to report the advisability of taking up this work on the part of the Rochester Florists' Association, have reported from time to time the receipt of various letters, pamphlets, etc., from organizations in other cities working along this line or similar lines. We herewith give a summary of our investigations and the conclusions at which we have arrived:

First—We have not found any plan in use in the United States or Canada which we believe could be adopted in toto in Rochester. In Canada nearly all the horticultural societies engaged in this work have government aid. In several of the American cities organizations interested along these lines are working in conjunction with the penny packet schemes and various gardening commissions. It is the sense of this committee that in Rochester we ought not to infringe upon the operations now carried on by flower gardening clubs, the Vacant Lot Commission or any other organization. It is not our plan to interfere with these organizations or cover any part of the work they are now doing.

Second—It is the unanimous opinion of this committee that there is a clear field for an organization which shall limit itself to arousing interest on the part of house owners and occupants to beautify their surroundings, whether by the use of flowering or foliage plants, or improvement in sidewalks, lawns, fences or in any other manner which will generally improve the appearance of the street and neighborhood. By taking up this work we will not conflict with that being done by any other organization at the present time.

Third—The possibilities along this line are so great, and the benefits to the entire city of Rochester would be so many, that we should endeavor to secure the assistance and co-operation of all the good citizens in Rochester to make this plan a success. The people of Rochester must understand that while the Florists' Association is entirely willing to take the lead in the matter, it is merely the medium through which the citizens may do the work. We should solicit the advice and aid of the many Rochesterians whose travels and experience make them eminently fitted to help us carry out this project.

Fourth—To avoid the slightest suspicion that this association is favoring such a plan for its own gain, either directly or indirectly. We should put this association on record as being opposed to any scheme limiting the kinds or varieties of seeds, plants and bulbs used, or of suggesting directly or indirectly where such stock should be procured.

Fifth—We believe that a system of competition and prizes should be arranged. One plan that this committee considers entirely feasible is as follows: To offer, to residents of any section of any street in Rochester, the size to be determined by themselves, except that the minimum length shall not be less than three blocks,

to duplicate any amount, not to exceed \$25, raised by such citizens, to be awarded to contestants in their own section; a committee to be selected by the citizens in that section to make all the arrangements regarding the rules of the contest and select the judges to make the awards. By such a plan we will throw a large share of the responsibility upon those most directly interested; namely, the residents of each competing section.

Sixth—To secure funds for the purpose of giving such prizes, or duplicating any amounts offered by any section to the maximum of \$25, this committee recommends that the society puts itself on record at once in favor of this plan and let the people of Rochester know that a part of the profits of the coming flower show will be used to this end.

Seventh—We recommend that a permanent committee of seven members of the association be appointed to take up this work, and that we request the editor-in-chief of each of the daily papers of the city of Rochester to become members of this committee, or in case of inability or disinclination of any editor-in-chief, we recommend that he select some member of his staff to represent his paper on this committee.

Eighth—It is the unanimous opinion of this committee that such a project is well worthy the highest ambition and aim of this organization. Any plans which will benefit Rochester will, in the long run, be of benefit to the members of this organization, and we believe that the project will elicit the approval of the entire city and will bring to our aid all the forces which are working so harmoniously and so successfully to benefit Rochester. If we adopt this plan the idea which should be uppermost in our minds is a still more beautiful Rochester.

NEW ORLEANS NOTES.

Fall weather has set in and almost simultaneously a revival of business has taken place.

A. Alost has just received a large consignment of bay trees, boxwoods, araucarias and other Belgian products, which considering the distance traveled look exceptionally well.

Several of our city department stores have had their fall openings, and it is gratifying to report that the use of palms and cut flowers for decorating has been quite liberal, and promises to increase from year to year.

At the last meeting of the New Orleans Horticultural Society, Thursday, Oct. 20th, resolutions were adopted protesting against the sale of plants to our retail trade by a certain northern establishment, at wholesale prices, the same prices that are charged our dealers. A copy of these resolutions will be forwarded to the horticultural society located in the city in which the firm complained of is domiciled.

Great preparations are being made to meet the demands for the biggest day in the year to the New Orleans florist; "All Saints' Day," Nov. 1st. This is our annual "decoration day," and the large volume of business handled for this occasion, requires that special arrangements be made and a system adopted, that no other day in the year calls for. The chrysanthemum is the principal flower used, and the crop grown locally this year promises to be of good quality. There are, however, never enough homegrown to supply the demand, and it is necessary to bring in an extra supply from other flower centers, principally Chicago.

BOSTON FLOWER EXCHANGE.

The reorganized and reinforced Boston Flower Exchange held its first annual meeting since the new incorporation, on Saturday evening, October

22, at Young's Hotel, and in connection therewith, the annual banquet, which was enjoyed by about seventy-five of the shareholders with the representatives of the trade press as invited guests.

President W. C. Stickel, who has contributed so much to the harmony and success of this flower market by his good judgment and tact, presided at the meeting. The reports of officers, accountant and auditing committee showed the organization to be in excellent financial condition and still enjoying the prosperity which has been continuous for the past eighteen years and a ten per cent dividend will be paid.

This institution has made for itself an influential position in the florist trade of New England, and is a healthy factor in the social and industrial life of the plant and flower business of which Boston is the centre. The gentlemen who control its policies are men of high standing in the profession and widely known throughout the country as successful growers and business men. The old board of directors was unanimously re-elected and the business of the year ahead will go on under the same wise and conservative management as heretofore.

The banquet was first-class in all respect. Few speeches were made, the time being all needed between the feasting and the transaction of business.

DURING RECESS.

New York Bowling.

The interest in the bowling games seems to be well maintained and each Friday evening sees a very jovial gathering at these friendly contests. Mrs. C. W. Scott gave a special prize—a silk umbrella—last Friday, and it was won by R. J. Irwin, of Skidelsky & Irwin, Philadelphia. The Quaker City seems to hold her own all along the line. Scores were as follows—aggregate for three games:

Manda	456	Fenrich	423
Irwin	453	Smith	420
Scott	450	Einsman	419
Donaldson	439	Shaw	400
Berry	436	Marshall	338

Mr. Irwin gives the prize this week. For next week P. J. Smith contributes a satchel. The Astoria and New York clubs expect to have a match game on the afternoon of November 14, preceding the N. Y. Florists' Club meeting.

Chicago Bowling Scores, Oct. 19, 1910.

ROSES.				CARNATIONS.			
Games.				Games.			
1st	2nd	3rd		1st	2nd	3rd	
Wolf...	156	160	166	Ayers...	154	176	130
Johnson	118	156	140	Kraus...	118	123	109
Byers...	132	149	172	Wt's'n.	123	200	155
Kr'cht'n	148	126	103	Schultz.	181	126	153
Fischer.	156	180	176	A. Zeck.	176	186	195
Total.	710	771	757	Total.	752	811	742
ORCHIDS.				VIOLETS.			
Hu'b'n'r.	127	111	136	Wt's'n.	104	115	94
Farley...	170	123	187	L'b'm'n.	138	141	148
Graf...	116	179	136	Layldy.	166	144	163
Pegnan.	147	172	131	Lorman.	101	150	176
J. Zeck.	147	184	172	Yarnall.	179	162	172
Total.	707	769	762	Total.	688	692	753

Percy Richter, salesman for Ernest Asmus at the New York Cut Flower Company, New York, has received the auto car which he recently won at a raffle. He has a bid of \$1200 for it.

THE INSECTICIDE ACT OF 1910.

At the last session of Congress, a Bill was passed which is known as "The Insecticide Act of 1910," for preventing the manufacture, sale or transportation of adulterated and misbranded Paris Greens, Lead Arsenates, and other insecticides and also fungicides, and for regulating traffic therein, and for other purposes.

A notice was sent out by the solicitor of the Agricultural Department, calling for a public hearing on Thursday, October 20th, at 216 13th street, Washington, D. C., of all persons interested in the bill. The Bill provides for the making of rules and regulations for the enforcement and a committee composed of R. E. Cabell, Commissioner of Internal Revenue, Charles Earl, Solicitor of the Department of Commerce and Labor, and George P. McCabe, Solicitor of the Department of Agriculture, Chairman, and this Committee, upon assembling asked those who were present if they had any views to express on the law, so that the Department may be guided in framing rules and regulations. As the committee had nothing themselves to propose, all that there was said was a rather informal expression of opinion by various people interested and the largest part of which was the submittal of samples of pyrethrum powder.

The sense of the law, as finally summed up was that it was to prevent the marketing of bogus material or the misrepresentation in describing what the goods would do and this law takes effect on January 1st, 1911.

BENJAMIN HAMMOND.

A FAILURE IN BOSTON.

We are sorry to have to announce the assignment, on October 26, of William E. Doyle, who conducts two retail stores of the first class, one on Boylston street and one on Beacon street. Mr. Doyle is one of the oldest established florists in Boston—or, for that matter—in the United States. Forty years ago, in partnership with Thomas W. Dee, as Dee & Doyle, he was well-known as a leader in his profession and he has always since maintained the highest standard of quality and efficiency. Much sympathy is expressed for Mr. Doyle throughout all branches of the trade. The amount involved is about \$40,000 and most of the large growers and wholesale dealers are hard hit at a time when the blow is most keenly felt. What action they will take in the matter is, as yet, uncertain. John J. Cassidy, an employee of Mr. Doyle, is the assignee.

CATALOGUES RECEIVED.

W. W. Wilmore, Denver, Colo.—Dahlia List for 1910.

B. Hammond Tracy, Wenham, Mass.—Cedar Acres Gladioli.

Wagner Park Conservatories, Sidney, Ohio.—Choice Plants for Fall Planting.

Bay State Nurseries, North Abington, Mass.—Fruit and Ornamental Trees, Shrubs, Hardy Perennials, etc., a very complete list, described in an interesting manner and profusely illustrated. Arrangement and typographical work excellent. The cover is cream colored with a spray of rhododendron in natural colors, very attractive.

To Catalogue Men

The Novelty Spencer Sweet Pea Sensation for 1911



"MAUD HOLMES" SUNPROOF CRIMSON SPENCER

This is undoubtedly one of the finest novelties of recent introduction. flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, and blooms are of the true Spencer type, both standard and wings being well waved.

The variety will not burn under the hottest sun, is of vigorous and strong growth. The stock is fixed, as is shown by The National Sweet Pea Society's trials in England.

We have been appointed the sole agents for this variety in America by Robert Holmes, the originator.

PRICE, ^{per} 100 packets \$7.50, per 1000 packets \$70.00
250 packets at thousand rate.

Electrotypes of above illustration \$1.50 each, or free with an order for 250 packets or more. For full particulars write to

ARTHUR T. BODDINGTON
SEEDSMAN 342 West 14th Street, NEW YORK

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

Hyacinths Tulips Narcissi

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer: As an inducement to secure orders for a general line of bulbs we quote: Hyacinths Unnamed Single, any color, \$2.10 per C., \$19.50 per M.

To secure these prices mention this paper

Send us an order for other varieties.

See our AD in Oct. 15 issue.

IF YOU WANT THE BEST QUALITY, OUR PRICES ARE LOW.

James Vick's Sons, Rochester, N. Y.

PHILADELPHIA NOTES.

M. Rice of M. Rice & Co., accompanied by Mrs. Rice, Mr. and Mrs. Geo. Knock and party, left on an auto tour on the 22nd inst. Asbury Park and other interesting points are on the itinerary.

Frank Farney, the popular representative in Chicago of M. Rice & Co., who was stricken with typhoid while in this city six weeks ago, has so far recovered that he was able to start for home on the 23rd inst.

Rushing during business hours and far into the night is the report from Bayersdorfer & Co.'s busy hive. They find that the trade is distinctly partial this season to florists' goods of the higher class and this applies to orders from all sections of the country.

B. Eschner of M. Rice & Co., reports a very successful trip west, from which he has just returned. A special run was experienced on their new patent flexible cycas leaves. A wonderful improvement. Coloring and flexibility almost beyond belief. There was also a big demand for their new butterfly novelty. Even their samples in the latter line had to go pending arrival of a new supply.

Paul Klingsporn of Berger Bros., reports that the subscriptions for the Crawford testimonial, referred to in last week's HORTICULTURE, are coming in freely as most everybody who knew "Jack" and their name is legion are only too glad to have a chance to show their appreciation of his long service and to lend a friendly hand to a fellow-worker under distressing circumstances.

The Landreth Co. has been in business one hundred and twenty-seven years and its members are naturally

proud of this unequalled record of continuous business in the same family. A mere catalogue of the great things they have accomplished for horticulture during that long time would fill volumes. There are enough rare Coniferae on Bloomsdale estate to make even W. R. Smith stare—one or two of them claimed to be the largest and most perfect specimens in the United States.

David Rust (local representative of David Landreth Seed Co., of Bristol, Pa.), and George C. Watson, visited Bloomsdale Seed Farms at Bristol on the 21st inst. and were royally welcomed by the senior member of the firm, Captain Burnett Landreth, and his sons, Burnett, Jr., and S. Phillips. A pleasant and profitable afternoon was spent looking over the 550 acres of growing crops—exclusively for seeds—the largest area in the country for this purpose outside of California. A most interesting scene witnessed was the washing of the tomato pulp in the Delaware river which runs past the farms. For hundreds of yards the water was colored red. Consomme for the Philadelphians a few miles further down the river. No charge. We seedsmen are philanthropists, we are.

Visitors: Mr. Chas. Osterman, and bride, (Osterman & Steele), Springfield, Mass.

PERSONAL.

Lou Kyrk of Cincinnati, who for the past two weeks has been ill with appendicitis, is now convalescent.

Frank Benthley is now foreman for Crabb & Hunter, Grand Rapids, Mich. Mr. Benthley was formerly with Hoerber Bros., Chicago.

Wm. Dilger, of Detroit, is now president of the Rose City Chemical Products Co., whose purpose is to extricate the various oils, etc., contained in pine stumps.

Mr. and Mrs. F. C. Herms of the Herms Floral Co., Portsmouth, Ohio, celebrated their golden wedding anniversary Monday, October 3rd, at their bungalow on the Scioto river.

Visitors in Cincinnati: Ben, Eschner of M. Rice & Co., Philadelphia, Pa., and Mr. Jackson of the American Rose Co., Springfield, Ohio.

John S. Nicholas, who conducts a fine flower store on 42d street, New York, has opened a restaurant at the corner of West 28th street and Sixth avenue, right in the heart of the wholesale district. It has caught the goodwill of the florists from the start partly because it is a splendid restaurant and second because they all like Mr. Nicholas, who is one of the most highly respected of the Greek florists. At the opening of his new venture an abundance of floral tokens were sent.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

CHICAGO NEWS.

Table Decorations.

Among the notable banquets of the season was the one given by the American Steel and Iron Institutions at the Blackstone Hotel. A special feature was the arrangement of the tables in the form of a horseshoe, with three small tables extending from the top to the bottom inside the shoe. Strings of smilax and American Beauty roses were used upon the tables and southern smilax around the room. Six large vases of the Beauties were placed upon the horseshoe and three large and six small ones upon the small tables. The officers of the companies were seated at the top and outside of the horseshoe.

Street Carnival.

Another street carnival in the nature of a trade exhibit was held last week on Madison St. from Desplaines Ave. to 40th, a distance of five miles. There are several florists in this territory, some of whom took part. The Pansy Flower Store was unable to prepare a float owing to an accident, but distributed 1200 carnations to the passers-by. The West End Floral Co. had an automobile decorated in bunting and American Beauty roses in the parade, and it was pronounced very good. Schiller The Florist had their store beautifully decorated and had an orchestra hidden among the palms in their show house. When lighted the effect was beautiful and the music drew much attention. Floats were mainly used in the street parade and from the florists' point of view the whole scheme was a financial success as well as a good proposition for future business.

Flower Show Improvements.

E. Wienhoeber is planning some decided improvements over the former method of arranging the flowers after the judges are through with them. Some artistic vases for showing flowers to good advantage in the home will be used, and the flower show visitors will get many hints on arrangements.

Sam. Pearse is building a fine new store in connection with his greenhouses on Clybourn Ave. It will be 15 x 20 ft., with fine cement basement for keeping flowers. Mr. Pearse is one of Chicago's well known growers as well as retailers.

Trade Notes.

Joliet reports a killing frost on the night of Oct. 22nd and that practically all out-of-door flowers are gone.

Damm Bros., N. Irving Ave., have two plants of *Ficus elastica* from which they made 2000 cuttings this season, and out of that number 1200 rooted.

The Pasteur Filter Co. of 105 Dearborn St. has recently added a flower department. Miss Josepha Then, well known to the trade, is an able assistant, having been in the business in various capacities.

Mat. and John Evert have taken a stand in the Flower Growers' Market where Miss Ida Evert will handle their chrysanthemums. This firm has added four houses the past year, and now devote eighteen houses to chrysanthemums.

H. H. Meyer of Dalton has 20,000 sq. ft. of glass devoted to radishes exclusively. Mr. Meyer says taking one sea-

son with another this vegetable has proved a paying one for him to grow. He does not find it necessary to use new soil each year.

Bitter Sweet berries made their first and probably only appearance on the market this week, and were quickly bought up for window novelties, as they hold their color all winter. They are not plentiful on the Illinois prairies and the clusters are smaller than those found on timber land.

H. J. Stockwell, who laid out the floor space for the flower show last year, has charge again this year. Under his skillful hand the vast coliseum will be transformed into a beautiful garden. A lady singer and an orchestra on the main floor will be new features at the flower show this year.

Personal.

August Poehlmann celebrated his 41st birthday Oct. 21st.

A. A. Sawyer will spend the winter with his daughter, Anna Grace Sawyer, at the Pansy Flower Store, where the increasing business makes it necessary to have more assistance.

The friends of H. R. Richards, who lately went from Chicago to Los Angeles to go into orchid growing, are glad to learn that he is getting nicely started. His place is located at Hollywood.

H. C. Wuhlbrandt of the Globe Greenhouses, West Madison St., is taking an automobile trip to Kentucky. Mrs. Wuhlbrandt has been there several weeks and they will return together.

Visitors.—Swan Peterson, Gibson City, Ill.; August S. Swanson, St. Paul, Minn.; Geo. E. Serviss, Batavia, Ill.; J. A. Lisy, Davenport, Ia.; Mr. Steiner, of R. R. Davis Co., Morrison, Ill.; Aug. Friederickson, St. Joseph, Mich.; Edw. Amerpohl, Janesville, Wis.

WASHINGTON NOTES.

The Department of Agriculture has just harvested 30,000 new potatoes, seedlings derived from that number of crosses between 200 varieties brought from Chile where the tubers originated and the best varieties to be found in this country and Europe. As many as a peck, averaging half of marketable size, were taken from single hills. The Department hopes, within three or four years, to be able to show some new disease-resisting varieties of marked value.

R. Vincent, Jr., of White Marsh, Md., has promised to give an illustrated talk before the Florists' Club of this city on bulbs and markets in Holland and England. He recently returned from a European trip, and brought back many interesting photographs, as well as considerable lore garnered from the experience of the old-world growers. The date for the address has not been decided on definitely.

The florists are making great preparations for the exhibit to be given next week in conjunction with the householders' and industrial fair in Convention Hall. This display is expected to eclipse anything heretofore seen in Washington.

Lutherville, Md.—Fire on Oct. 18th destroyed the greenhouses at the summer residence of Miss Nannie Sloan; damage about \$1,000.

A lily bulb is a small matter to make so much fuss about.

There would be no need of fuss if we could convince bulb growers that Horse-shoe Brand Lily bulbs will average more blooms per thousand bulbs than any other brand; that they are packed well and keep better; that they are secured from only the finest fields in the world; and that their actual cost is less than inferior goods.

Don't be fooled—at the present time there is no brand put up that will equal Horse-shoe Brand.

You may have a catalog if you write for it—you are not obliged to buy



Not How Cheap
But How Good

Ralph M. Ward & Co

12 West Broadway
NEW YORK

Formosum, Multiflorum and Giganteum ready for delivery.

A FEW SPECIALTIES IN BULBS

NARCISSUS		Per 100	Per 1000
BICOLOR VICTORIA, selected double-nosed bulbs		1.75	16.00
EMPEROR and EMPRESS. Selected double-nosed bulbs		1.75	15.00
GOLDEN SPUR. Selected double-nosed bulbs		2.25	19.00
DOUBLE VON SION. Selected double-nosed bulbs		2.25	19.00
POETICUS ORNATUS. Selected double-nosed bulbs		1.00	7.50
PRINCEPS. Selected double-nosed bulbs		1.25	9.50
TULIPS		Per 100	Per 1000
KEIZERSKROON		\$1.25	\$10.50
LA REINE		1.00	8.00
ROSE GRISEDELIN		1.00	8.50
ROSE LUISANTE		1.75	14.50
MURILLO		1.25	10.00
COURONNE D'OR		1.75	14.00
SALVATOR ROSA		1.75	14.00
GESNERIANA SPATHULATA		1.25	9.50
BERMUDA BUTTERCUP OXALIS. Extra sized bulbs		.75	6.00
FREESIAS, BERMUDA-GROWN. Bulbs $\frac{3}{4}$ to $\frac{1}{2}$ -inch and up in diameter		.75	6.00
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2,000 to the case, \$2.75 per 100, \$25.00 per 1,000; 13 to 15 c/m bulbs, 1,600 to the case, \$3.00 per 100, \$28.00 per 1,000.			

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, \$17.50 per case; \$45.00 per 1000.
7 to 9 inch, 200 to the case, \$18.00 per case; \$80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, $\frac{3}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$20.00 per 100; 6-inch pans, \$6.00 per dozen; large specimens, 12-inch pans, \$3.00 to \$5.00 each.

NEPHROLEPIS SCHOELZELI. Fine plants, $\frac{3}{4}$ -inch pots, \$8.00 per 100; 6-inch pans, \$6.00 per dozen; 8-inch pans, \$12.00 per dozen.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. $\frac{3}{4}$ -inch pots, \$10.00 per 100; 4-inch, \$25.00 per 100; 6-inch pans, \$6.00 per dozen.

NEPHROLEPIS SUPERBISSIMA. Very distinct and popular. Fine plants, 6-inch pans, \$8.00 per dozen.

NEPHROLEPIS SCOTTII. Good plants, 6-inch pans, \$6.00 per dozen.

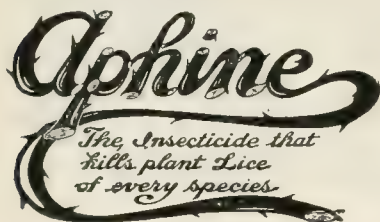
Complete list of fall bulbs and ferns sent free on application.

F. R. PIERSON CO. Tarrytown-on-Hudson
NEW YORK

COMING EXHIBITIONS.

Irvington, N. Y., Nov. 1-3, 1910.—Fall exhibition of the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

New Haven, Conn., Nov. 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society, Music Hall.



Aphine has passed beyond the experimental stage. Men, whose opinions are highly regarded among floriculturists, concede it to be one of the best insecticides ever placed on the market.

A trial will convince you.

\$2.50 per Gallon, \$1.00 per quart.

Get it from your seedsmen.

Manufactured by

APHINE MANUFACTURING COMPANY

MADISON, N. J.

Pacific Coast Distributing Agents

MacRORIE-McLAREN COMPANY

Westbank Building, San Francisco, California.

HOLLY FERNS

Pteris Wilsoni, Victoriae, Wimsettii cretica, Aspidium trussemense, etc.

Fine, bushy plants, 2 in. pots, in assortment packed to reach you in perfect condition, \$3.00 per hundred. Cash or satisfactory references please.

R. G. HANFORD, Norwalk, Conn.

Frederick H. Wirtz, secretary, 86 Nicoll St., New Haven, Conn.

Rochester, N. Y., Nov. 1-5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association, Convention Hall. Secretary, H. B. Stringer, 21 Stone St., Rochester, N. Y.

Morristown, N. J., Nov. 2-4, 1910.—Annual Exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Fall Exhibition of Buffalo Florists' Club, Convention Hall. Wm. F. Kasting, chairman of committee.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society, Putnam Phalanx Hall. George W. Smith, secretary, Melrose, Conn.

Pasadena, Cal., Nov. 3-5, 1910.—Fall Flower Show, Pasadena Gardeners' Association, Maryland Hotel. Angus McLeod, secretary, 1632 Alleen Ave., Pasadena, Cal.

Dobbs Ferry, N. Y., Nov. 4-5, 1910.—Ninth Annual Flower Show of the Dobbs Ferry Horticultural Association, Village Hall. Treasurer, H. Kastberg. Dobbs Ferry, N. Y.

Mt. Kisco, N. Y., Nov. 4-6, 1910.—Eighth Annual Exhibition of the Northern Westchester County Horticultural and Agricultural Society, Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavius, manager.

Chicago, Ill., Nov. 7 to 12, 1910.—Fall Exhibition, Horticultural Society of Chicago, Coliseum, Wabash Ave. near Fifteenth St. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Philadelphia, Pa., Nov. 8-11, 1910.—Annual exhibition, Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia.

Milwaukee, Wis., Nov. 9 to 13, 1910.—Flower Show, Milwaukee Florists' Club, Auditorium.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Exhibition, Coliseum. Otto G. Koenig, secretary, 6473 Florissant Ave., St. Louis, Mo.

Indianapolis, Ind., Nov. 8 to 12, 1910.—Fall Show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, 38th St. and Senate Ave., Indianapolis, Ind.

Long Branch, N. J., Nov. 9 to 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Horticultural Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

New York, N. Y., Nov. 9-11, 1910.—Seventy-ninth Annual Fair of the American Institute, Chrysanthemum Show, Berkeley Lyceum Bldg., 19 and 21 West 44th St. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9-13, 1910.—Fall Exhibition, Horticultural Society of New

York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks
Firs and Retinosporas

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.....	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00	
Delachel. Amaranth red.....	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers.....	1.50	10.00	90.00
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00	
Grandiflora Carneae Plena. Flesh; sulphur centre	1.50	10.00	90.00
Hamel. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose.....	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Mme. Crousse. Cream guard; bluish-white centre; tinted violet.....	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy white	1.50	10.00	90.00
Queen Victoria. A good early white....	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.....	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Victoire Modeste. Blush rose and white....	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Whitleyi. An old-time favorite white cut flower variety.....	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2890 Bedford **BROOKLYN, N. Y.**

In ordering goods please add 1 "saw in HORTICULTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS,

WILLIAMSTOWN, JUNCTION, N. J.

Seed Trade

The New League Prices.

The new League prices are out and sustain the predictions made in HORTICULTURE as to prices for the coming year. A forecast of these was given in last week's issue, though we could not at the time give any details. Judging from what we hear said by members in the trade, there will be another upward turn before the January price lists are issued. We understand that the League holds another meeting some time next month when final prices for the January lists will be decided upon.

The Pea Situation.

As far as we can ascertain, very few offers of peas are appearing, which only confirms the general view of the extreme shortage on this line of stocks this year. A few varieties of the Dwarfs such as American Wonder, Nott's Excelsior and Gems are being offered by one or two of the leading houses at very advanced prices, and even at these figures they are very eagerly bought. So far as we can ascertain up to this time, it is practically impossible to get a quotation on any of the large podded varieties, such as Gradus, Laxton, Duke of Albany, Telephone, Stratagem, Heroine or in short, any of this class of peas. Even such varieties as Champion of England, Yorkshire Hero and other standard sorts are not quoted, and it is doubtful if they can be procured at wholesale in any quantities any time during the season. We are informed that one of the largest seed houses in the country and one which seldom fails to have stocks to offer in short years, is this season refusing to quote any variety of peas. This is further evidence of the very great scarcity of this item.

There seems to be a wide difference in the deliveries of peas by the different growers, showing that some were very much more favored in the matter of weather conditions or soil than others, as there is no reason to suppose that those growers making light deliveries are not acting honestly and in perfect good faith. They simply, owing to the localities where they operated, suffered more from the lack of moisture than others of their competitors. Probably a reversal of conditions next year and a little too much rain, would also reverse the order of deliveries now being made by the fortunate ones. Certain soils will hold moisture and produce better crops in dry seasons than others, while a wet season is often very disastrous to them. This is generally an evening up in the long run.

Future growing prices will no doubt show an advance over last year, as the farmers must be paid more, and considering the risks involved in the growing of peas, the growers insist on better compensation as a reward for their time and outlay. We have heard that certain of the European growers of peas are booking orders for future delivery on an open plan only; that is, no prices are named at this time, but are to be fixed after harvest. It does not seem as if this plan would be very popular, and we doubt, if those who are attempting to carry it out will meet with any marked success.

French Celery Seed.

One of the very scarce items will be French-grown Golden Self-Blanching celery. It is reported that the Vil-morin house are delivering only 10 per cent. on contracts, and the League price of \$7.00 therefore does not seem so extravagantly high as might appear without full knowledge of conditions.

California Limas.

We learn that there has been some heavy rains in California which have done considerable damage to seed crops and especially to Lima beans. The extent of the damage has not been fully developed, but it is hoped it will not prove of a very serious character.

Notes.

Dallas, Tex.—Fire destroyed the warehouse building of the Texas Seed & Floral Co. on Oct. 8th.

Houston, Tex.—The Reichardt & Schulte Co., seedsmen, are now in their new building at 206-208 Milam street.

Pedricktown, N. J.—A new seed warehouse 30 x 60 feet, three stories and basement is being built by George R. Pedrick & Son.

Crop reports from Germany are to the effect that the wet season there has caused a shortage of lily of the valley pips—especially in the higher grades. The quality is not up to last year's standard.

The K. K. K. Medicine Company of Keokuk, Iowa, has filed suit in the district court against W. B. Barney, state food and dairy commissioner of Iowa, asking that he be enjoined from enforcing the provisions of the act passed by the legislature in 1907 looking to the prevention of fraud in the sale of agricultural seeds and concentrated commercial feeding stuffs, and further asking that the act be declared unconstitutional and void. It is claimed that it is in contravention of the constitution of the State of Iowa and of the United States.

BULB INDUSTRY OF THE NETHERLANDS.

The following information concerning the bulb industry of the Netherlands is taken from an article entitled "Market Gardening in Holland," published in the Department of Agriculture Journal for Ireland, July, 1910.

Since 1750 the cultivation and export of bulbs has been regularly carried on in Holland, though the trade only reached its present enormous proportions during the last decades of the nineteenth century.

The bulb-growing industry was first confined to Haarlem and its vicinity, but has gradually extended wherever a suitable piece of land was available. In order to grow bulbs, meadows have been transformed and sand dunes leveled. The preparation of land for this purpose is often very costly, and the value of the best plots varies from £320 to £500 (\$1,557 to \$2,433) an acre.

The export statistics of the industry, which have been carefully kept since 1897, show that the total export has very largely increased in the last ten years. The value of this export cannot now be less than 2800,000 (\$5,803,200).

England is still Holland's best customer for bulbs, taking nearly 40 per cent. of the total export. The number of bulb-exporting firms in Holland is about 200; there are also over 2,500 growers who do not export directly, but send their produce through the larger firms. The number of persons employed in the bulb industry is estimated at 4,000.

The Dutch bulb growers are organized into a general federation, which now numbers nearly 3,000 members, and is divided

CALIFORNIA PRIVET

1 Year Old,
20 to 24 Inches High,
Well Branched.

Ready for Delivery.

Per 100..... \$1.75
Per 1000..... \$15.00

CAN YOU BEAT IT?

HENRY F. MICHELL CO.

518 Market St.

Philadelphia, Pa.

into 37 local groups. A paper is published twice a week, weekly exchanges are held during the trade season, novelties are examined and reported upon by a committee of judges, and a trade council inquires into and decides all trade differences. Many exhibitions have been organized by the federation, and of late exhibits have also been sent to foreign countries. In addition to the general federation, there are two special societies, one to protect the interests of bulb exporters and the other to protect those of growers who do not export.

Imports and Exports by Countries.

The following statement showing the quantities of bulbs exported from the Netherlands in 1908 and 1909, in kilos of 2.2 pounds, is furnished by Consul Frank W. Mahin, of Amsterdam:

Country.	Exports.	
	1908.	1909.
France, Belgium, Italy, Spain, Portugal and Greece	743,000	945,100
Germany and Austria..	4,179,100	4,733,500
Russia	420,700	519,100
Scandinavia	1,183,200	1,709,400
United Kingdom.....	5,028,600	6,478,800
United States.....	2,730,000	3,483,200
All other countries.....	38,900	53,400
Total	14,323,500	17,922,500

AN EVENT AT AMHERST.

Invitations have been issued by the trustees of the Massachusetts Agricultural College, Amherst, Mass., for the dedication of the new building for Entomology and Zoology, to take place on Friday afternoon, November 11th, 1910, at 2 o'clock.

Mr. Louis Brandt, a graduate of the Mass. Agricultural College, has been appointed instructor in landscape gardening at the University of Illinois, Urbana, Ill. He succeeds Horace F. Major, who has accepted a position as instructor and superintendent of grounds at the University of Missouri.

VEGETABLE PLANTS

	Per 100	Per 1000
CABBAGE —Wakefield and Succession.	20c.	\$1.00
LETTUCE —Grand Rapids, Big Boston, Boston Market and Tennis Ball.	2c.	1.00
PARSLEY —	30c.	1.25
R. VINCENT, JR., & SONS CO.		
White Marsh, Md.		

FOTTLER, FISKE, RAWSON CO.**BULBS****For Forcing or Planting Outside****A Complete Stock**

Write us for prices.

Fottler, Fiske, Rawson Co. Faneuil Hall Square, also 26 South Market Street **Boston, Mass.**
LEONARD SEED CO.**PRODUCERS AND
WHOLESALE
MERCHANTS****Write Us for Prices**Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET **CHICAGO****X. L. ALL**

English formula for spraying vegetation of a tender nature.

Qt. \$1.00 1-2 Gal. \$1.75 Gal. \$3.50

WM. ELLIOTT & SONS,
42 Vesey St., New York.**Burpee's Seeds**
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.**Crimson Clover**

Lowest prices. Instant shipment.

J. BOLGIANO & SON,
Wholesale Seed Merchants.
1818 Baltimore, Md. 1910**QUALITY SEED BULBS PLANTS**SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
343 West 14th St., New York.**FRENCH and DUTCH
BULBS****For Prompt Shipment**

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.**NEW CARLISLE, O.**

We grow all the standard varieties of field corn. Write for wholesale prices.

"BUDS"**76 Barclay Street, New York****Important to Florists and Gardeners**

New crop of High Grade Flower Seeds just arrived, (especially selected quality).

CARL R. GLOECKNER, Pres.**CHOICE SEEDS****FOR PRESENT PLANTING**

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE**RICKARDS BROS.****Props.**

37 East 19th St., - NEW YORK CITY

**CAULIFLOWER
CABBAGE**

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.**CYCLAMEN****NEW CROP**

To obtain large flowering plants for Thanksgiving and Christmas 1911, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson,**Giant Pink****Giant White****Giant Blood Red****Giant Excelsior**White with
claret base**Picturatum**Pink with
claret base**Giant Salmon**Price per 1000 seeds \$10.00;
100 seeds, \$1.00.**R. & J. FARQUHAR & CO.**

6 and 7 So. Market St., BOSTON, MASS.

ESTABLISHED 1820*Thorburn's
Bulbs***For Florists for forcing at low prices in cases only.****Lilium Formosum, 6-8,**

350 in case @ \$3.00 per 100

Lilium Formosum, 7-9

250 in case @ 5.50 per 100

Also Lilium Harrisii, all sizes—

send for prices per 1000

Cold Storage Lily of the Valley pips, best German grown. A few left over at \$10.00 per case of 1000, in case lots only.**Paper White Grandiflorus Narcissus, 13 cmr and up @ \$7.50 per case of 1000 bulbs.** A few cases left.**J. M. THORBURN & CO.**
33 Barclay Street
NEW YORK**White French Romans**

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Mention Horticulture when you write

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.**SAN JOSE, CALIF.**

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Oakland, Calif.—S. K. Love, formerly of the Piedmont Floral Co., is now employed by the H. M. Sanborn Co.

New York, N. Y.—John King Duer has closed his store at 644 Madison avenue and retired from the retail florist business.

Oakland, Calif.—The Piedmont Floral Co. has closed its store on San Pablo avenue and retired from the retail flower business.

Detroit.—Business was very good last week with everybody. Roses are coming in in fine shape and plenty of them. The price of carnations is still very high, in fact too high for the

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London...Oct. 29
Minneapolis, N. Y.-London...Nov. 5

Cunard.

Caronia, N. Y.-Liverpool....Nov. 2

French.

La Touraine, N. Y.-Havre....Nov. 3

Hamburg American.

Hamburg, N. Y.-Hamburg....Oct. 29
Cincinnati, N. Y.-Mediterranean...Nov. 3
Kais'n A. Vic., N. Y.-Hamb'g...Nov. 5

Holland-American.

Potsdam, N. Y.-Rotterdam...Nov. 1
New Amst'd'm, N. Y.-R't'd'm...Nov. 8

North German Lloyd.

Kas. Wilh'm II, N. Y.-Br'm'n...Nov. 1
F. Der Grosse, N. Y.-Bremen...Nov. 3
Prinzess Irene, N. Y.-Medit'n...Nov. 5
K. W. Der Grosse, N. Y.-Br'm...Nov. 8

Red Star.

Vaderland, N. Y.-Antwerp....Oct. 29

White Star.

Baltic, N. Y.-Liverpool.....Oct. 29
Cymric, Boston-Liverpool....Nov. 1
Cretic, N. Y.-Mediterranean...Nov. 2
Oceanic, N. Y.-Southampton...Nov. 2
Celtic, N. Y.-Liverpool.....Nov. 5

quality offered, and this has a deterrent effect on the retail business. This otherwise much-sought-after flower is passed over for other offerings like cosmos, baby chrysanthemums, snapdragon or short roses. Chrysanthemums are coming in better but still not as good as in previous years.

NEW FLOWER STORES.

Burlington, Vt.—Mrs. C. E. Gove, Main street.

Indiana, Pa.—W. S. Smathers, 13 North 6th street.

Philadelphia, Pa.—F. Le Gierse, 4628 Lancaster avenue.

Boston, Mass.—James Petros, Boylston and Berkley streets.

Montreal, Que., Can.—The Montreal Florists, St. Catherine street, West.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - New York City

Organized for prompt and efficient service to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS ONLY.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The

FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th
New York—Dards. N. E. cor. 44th St. and Madison Ave.
New York—International Floral Assn., 2328 Broadway.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

A FLORAL PICTURE FRAME.



Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 **SEATTLE, WASH.**
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points—

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

Our illustration shows a somewhat unusual but artistic and appropriate piece of floral work, and one of the few so-called "funeral designs," with which no reasonable person can find fault. In this case the portrait of the deceased—an officer in the Boston Fire Department—was inserted in the frame. More sane than a fire-engine, trumpet, hook-and-ladder wagon or similar stupid contrivance, is it not? The use of such a production need not, however, be limited to funeral purposes but may, with equal propriety be used for any occasion where it is desired to honor the individual whose portrait it encloses. We almost forgot to say that the artist in this case was Julius A. Zinn, one of Boston's most tasteful floral workers.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

MUMS

FANCY, \$18.00-\$25.00 per 100. EXTRA, \$15.00 per 100.
MEDIUM, \$10.00 per 100. SMALL, \$6.00-\$8.00 per 100.

All the good varieties in season—good value in all grades.

BEAUTIES

The best, \$25.00 per 100.

BRONZE GALAX

\$7.50 per case.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon the market the best things in baskets and from their house in Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection of their stock.

Close to the down town district, 713 Milwaukee Avenue.

Under personal charge of the Raedlein family.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 25		Oct. 25		Oct. 25		Oct. 27	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 23.00	28.00	to 35.00	20.00	to 25.00	15.00	to 25.00
" Extra.....	15.00	to 20.00	20.00	to 25.00	12.50	to 15.00	10.00	to 15.00
" No. 1.....	12.00	to 15.00	10.00	to 20.00	8.00	to 10.00	6.00	to 8.00
" Lower grades.....	5.00	to 10.00	5.00	to 10.00	5.00	to 6.00	1.00	to 3.00
Bride, 'Maid, Chatenay, F. & S.....	5.00	to 6.00	5.00	to 8.00	5.00	to 6.00	2.00	to 4.00
" Lower grades.....	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00	.50	to 2.00
Killarney, Richmond, Fan, & Sp.....	5.00	to 8.00	6.00	to 10.00	6.00	to 8.00	3.00	to 6.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	2.00	to 4.00	1.00	to 2.00
Kaiserin, Maryland, Fan, and Sp.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00
" Lower grades	3.00	to 5.00	3.00	to 6.00	3.00	to 5.00	1.00	to 2.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	2.00	to 3.50	3.00	to 4.00	1.25	to 2.50
	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00	1.00	to 1.25
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	30.00	to 60.00	.....	to 50.00	25.00	to 40.00
Lilies, Longiflorum.....	12.00	to 15.00	12.50	to 15.00	8.00	to 10.00	6.00	to 10.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Violets.....	.40	to .75	.75	to 1.00	.50	to 1.00	.25	to .60
Snapdragon.....	.....	to 2.00	.....	to 4.00	4.00	to 6.00	1.00	to 2.00
Chrysanthemums.....	6.00	to 2.00	15.00	to 25.00	8.00	to 25.00	1.00	to 20.00
Gardenias.....	20.00	to 25.00	20.00	to 30.00	12.50	to 20.00	20.00	to 25.00
Adiantum.....	.....	to 1.00	.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	12.00	to 15.00	12.00	to 14.00	12.50	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	45.00	to 60.00	3.00	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE.

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD. CHICAGO, ILL. FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

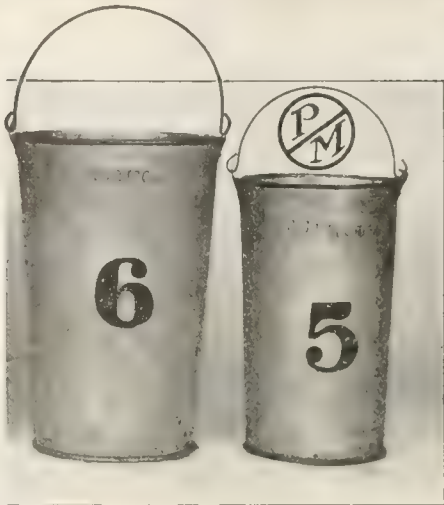
GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

FLORISTS' Galvanized Buckets

JUST THE THING FOR THE CHRYSANTHEMUM SEASON

Hand made, of the best galvanized iron, far more durable and will wear four times as long as any other vase on the market; easier handled and when not in use can be stacked, taking up very little room.



Do not Break, do not Rot, do not Chip, do not Wear Out

No.	Width	Depth	Per Dozen	Per 100
0	6 inch	5½ inch	\$ 3.00	\$ 20.00
1	7 inch	6½ inch	3.50	25.00
2	8 inch	7½ inch	4.00	30.00
3	10 inch	9½ inch	4.50	35.00
4	6 inch	10 inch	4.00	30.00
5	7 inch	12 inch	6.00	40.00
6	9 inch	14 inch	10.00	65.00
7	10 inch	18 inch	15.00	105.00
8	11 inch	21½ inch	18.00	130.00

INSIDE MEASUREMENT



S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA 1608-1620 Ludlow Street
NEW YORK 109 W. 28th Street
WASHINGTON 1212 New York Ave.

A CUT
FLOWER
SPECIAL

White
Lilac

Extra
Fine
Sprays

The First
of the
Season

\$1.50
per
Bunch

Flower Market Reports.

BOSTON The past week has been a tough one for the producer, the marketman and the wholesale dealer, and, indeed, there has not been much in it for the retailer, either, although he has had the beloved privilege of making prices just about as he chose. There has been a heavy glut of many things, due to the summery weather which continued uninterruptedly for so long and pushed everything along at an abnormal pace—that is, everything except violets; they simply rebel and will not stand for such unseasonable nonsense. Chrysanthemums are coming in with a rush and values have been cut in half. Roses are equally over-supplied and it will take a good dose of inclement weather to retard them and bring them to a reasonable balance. They have been very flabby, but cooler nights have helped them a little the past day or two. Carnations feel the impulse as well as anything else. They are improving in quality and prices are lower. Orchids, too abundant for the demand, and selling at prices that are below their intrinsic value. Gardenias have stood the test very well, but a little over

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Oct. 25	DETROIT Oct. 25	BUFFALO Oct. 25	PITTSBURG Oct. 25
Am. Beauty, Fan, and Sp.....	..... to 15.00	30.00 to 35.00	20.00 to 25.00	20.00 to 25.00
" Extra .....	..... to 10.00	25.00 to 30.00	15.00 to 20.00	15.00 to 18.50
" No. 1.....	6.00 to 8.00	20.00 to 25.00	7.00 to 10.00	10.00 to 12.00
" Lower grades.....	3.00 to 4.00	6.00 to 15.00	4.00 to 6.00	4.00 to 8.00
Bride, 'Maid, Chateaux, F. & S....	5.00 to 6.00	6.00 to 8.00	7.00 to 8.00	6.00 to 8.00
" Low. gr.....	2.00 to 3.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan, & Sp.	5.00 to 6.00	6.00 to 8.00	7.00 to 8.00	6.00 to 8.00
" Lower grades.....	2.00 to 3.00	4.00 to 6.00	2.00 to 4.00	3.00 to 4.00
Kaiserin, Maryland, Fan, and Sp.	5.00 to 6.00	6.00 to 8.00	3.00 to 8.00	6.00 to 8.00
" Lower grades	2.00 to 3.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, Novelties and Fancy	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	2.00 to 3.00
" Ordinary	1.00 to 2.00	1.50 to 2.50	1.50 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas .....	..... to 50.00	..... to 60.00	40.00 to 50.00	50.00 to 75.00
Lilies, Longiflorum.....	..... to 10.00	..... to 15.00	8.00 to 12.00	10.00 to 12.00
Lily of the valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.50 to .60	.50 to .75	.60 to .75	.50 to .75
Snapdragon.....	2.00 to 4.00	.50 to 1.00	..... to 1.00	..... to 1.00
Chrysanthemums.....	10.00 to 20.00	15.00 to 25.00	6.00 to 20.00	6.00 to 20.00
Gardenias.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum.....	1.00 to 1.00	1.00 to 1.50	.75 to 1.25	..... to 1.00
Smilax	12.00 to 15.00	..... to 15.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	..... to 50.00	20.00 to 40.00	40.00 to 60.00	30.00 to 50.00
" " & Spren. (100 bchs.)	10.00 to 20.00	20.00 to 40.00	35.00 to 50.00	30.00 to 50.00

supply would soon make them weaker. Lily of the valley is not selling as well as anticipated for last half of October. There are lots of violets, so-called, coming in. Singles are poor; doubles are worse, and, in fact, unsalable. A bad failure in the retail trade here, mentioned in another

news column, has had a depressing effect on the wholesale trade, many of whom are caught in the disaster. The finest kind of weather has prevailed for the past ten days in which the market received an enormous
(Continued on page 13)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellie, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 750 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. Largest Growers
grown for New York market, at current prices. Comprises every variety
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 22 1910		First Half of Week beginning Oct. 24 1910	
American Beauty, Fancy and Special.....	15.00	to 25.00	20.00	to 25.00
" " Extra.....	10.00	to 15.00	10.00	to 15.00
" " No. 1.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid, Chateaux, Fancy and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Richmond, Fancy and Special.....	2.00	to 5.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, My Maryland, Fancy and Special.....	3.00	to 5.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 2.00
Ordinary.....	1.00	to 1.50	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 / 1665 } Madison Square CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones : 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 / 5893 } Mad. Sq. 113 W. 28 St., New York.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Recutsites

**WILLIAM H. KUEBLER**

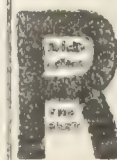
Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply Houses

Flower Market Reports

(Continued from page 613)

mous supply of everything. Amongst the outdoor stock still received were dahlias in heavy supply, also asters, gladioli, mignonette, cosmos, marigolds, etc. Together with the enormous amount of chrysanthemums (which were brought on so fast by the warm weather), roses, lilies and other material, they swamped the market. To fill an order a week ago for 500 good carnations was almost an impossibility, but nearing the end of the past week any amount could be had on short notice in any grade and color. Some choice chrysanthemums are had and the best grade stock has moved freely, but there are too many of the ordinary which are sold at very low prices. The demand on violets, lily of the valley and orchids has been only normal. Beauties have been excellent in quality and large in quantity, the demand light on these as well as on other roses. With a heavy supply of everything carried over for a few days the wholesaler looked forward to Saturday for a good clean-up, but a miserable day set in with wind and pouring rain throughout the day. A good frost and colder weather is looked for and the market may shape itself to better conditions before long.

Chrysanthemums so far

CHICAGO are a disappointment to most of the growers. The

weather, since this flower came in, has all been against it. The flowers have opened up more rapidly than the florists could use them and the market one week ago was flooded with them. Buyers made their own terms in a majority of cases and even then a large number went to waste. Last week conditions improved a little, the cause lying mainly in the few days when the thermometer fell to near the freezing point. The close of the week, however, found the temperature again rising and a generally dull condition prevails alike in the wholesale and the retail stores. Other flowers have suffered also, the violets and sweet peas being unsalable, except in very limited quantity. The pompon chrysanthemums are now here in quantity and as a substitute for carnations are having their effect upon the sales of the latter flower. Roses are to be had in any quantity and the same condition of more stock than is easily disposed of prevails.

The unseasonable

CINCINNATI warm weather of the past weeks brought in a superabundance of all kinds of flowers. The intense heat has ripened

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Oct. 22 1910		First Half of Week beginning Oct. 24 1910	
Cattleyas	20.00	to 30.00	20.00	to 30.00
Lilies, Longiflorum	4.00	to 6.00	4.00	to 6.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Violets.....	.20	to .40	.20	to .35
Snaptadragon	1.00	to 3.00	1.00	to 3.00
Chrysanthemums	5.00	to 30.00	2.00	to 25.00
Gardenias	8.00	to 12.00	8.00	to 12.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings	15.00	to 35.00	15.00	to 35.00
" " & Spreng. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

everything abnormally and rushes the crop of chrysanthemums, roses and carnations upon an already overcrowded market. The greatest glut and the one which has influenced the sale and prices of all other stock is of chrysanthemums. The better grades are selling well and at prices which for the best are possibly as good as were realized at this date last year; but the small stock has taken a decided tumble in prices. Long Beauties are coming in heavily and because of the chrysanthemum competition do not move the way they did when the latter were scarce. The redeeming feature of the rose market is the demand for select grade of pink roses of which there seems to be a decided shortage. Shorter grades and white sorts move slowly and accumulate. Possibly the greatest change is in the carnation situation. From a condition of pronounced shortage we now have an over-supply and the poorest stock is selling at mid-summer prices, many remaining unsold. Violets are improving in quality, but move slowly. Lily of the valley and longiflorum lilies are in fair supply and demand. Having had no killing frost up to date cosmos, dahlias and other outdoor flowers are still with us and help to clog up the already congested market. Some extra good smilax is coming in. Asparagus Sprengeri and plumosus meet with a good demand.

Indian summer

PHILADELPHIA hangs on two

weeks longer than usual with a consequent plethora of outside flowers. The geraniums and cannas and nasturtiums are still in their glory in the gardens, and all other outdoor subjects are accordingly plentiful. This condition reflects itself in the wholesale cut flower markets. People do not buy flowers when they have plenty of their own. On top of that came a three-dollar baseball week—for all the world and his wife—and the ten to fifty that was needed for

that was cut out of the commissariat and accessories. To make matters still worse we had a rainy Saturday—and no street business. Chrysanthemums, much more plentiful, and almost a glut in the medium grades. Dahlias may be said to be practically off the list as they come in now only on special orders. Roses, carnations, and other flowers—all that can be desired as to quality—and wait only for conditions to improve.

Business is very slow.

NEW YORK It started off very much depressed this

week with loads of flowers coming into the markets, from which the returns will be very low. Roses, carnations and chrysanthemums are being unloaded at unquotable figures and on large lots the buyer has practically had the privilege of making his own price. American Beauty roses hold their own rather better than the balance of the list.

Galax and Leucothoe

Quality, Packing and Price All Right. Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON
Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

ARAUCARIAS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Lenth & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengeri, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. Luther Maynard, R. 13, Knoxville, Tenn.

Asparagus Sprengeri, 3 in., strong, \$3.00 per 100. The Schafer Estate, Ballston Spa, New York.

Asparagus plumosus, extra fine 3-in., 5c. You will have to hurry and order, they won't last long at this price. Nice plants. H. M. Humfeld, Frankfort, Ind.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BASKETS

The Raedleln Basket Co., Chicago, Ill.
For page see List of Advertisers.

BAY TREES.

A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kreuschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Bickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 82 and 83 So. Market St., Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

For page see List of Advertisers.

"Buds", New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.

Hyacinths, Tulips, Narcissus.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.

White French Romans.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.

Home-Grown Bulbs.

For page see List of Advertisers.

F. R. Pierson Co., New York, N. Y.

Specialties in Bulbs.

For page see List of Advertisers.

CACTI

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

CANNAS

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

For page see List of Advertisers.

Field-grown carnation plants.

Winona 6.00 100 50.00 1000

Aristocrat 4.00 100 35.00 1000

Des Plaines Floral Co., Des Plaines, Ill.

CARNATIONS—Continued

First-class field plants, Boston Market and Lawson Enchantress, \$3.50 and \$4.00 per 100. Order quick. A. W. Meyer, South Holland, Illinois.

Carnation plants, field-grown, Mrs. Thos. W. Lawson, \$5.00 per 100. Harlowarden, \$4.00 and \$3.00 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.

"Pride of Castle Gould."

For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FOR SALE—Strong stock plants of Golden Glow, \$5.00 per 100. R. T. McGorum, Natick, Mass.

STOCK PLANTS OF CHRYSANTHEMUMS.

Golden Glow, can ship at once. Will have the following varieties: Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann; \$1.00 per dozen, \$5.00 per 100. Satisfaction guaranteed. Brant Bros., Inc., Utica, New York.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. Parks & Schaufelberger, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias.—For Seedsmen, Dealers and Growers; 50,000 large clumps, up-to-date varieties, cheap for fall delivery and cash. Send for prices and list. J. L. Moore, Northboro Dahlia and Gladioli Gardens, Northboro, Mass.

For List of Advertisers See Page 621

DAISIES

Daisies, Bells, giant double mixed, 100, 30c.; 1000, \$2.00. Chas. Frost, Kenilworth, N. J.

Giant double daisies, Snowball and Long-fellow; \$2.50 per 1,000; 2,000, \$4.50; 5,000, \$10.00. Cash. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

DRAACAENAS

Dracaena indivisa, fine strong plants, 2 in. pots, \$2.00 per 100. Cash. F. A. Albrecht, Jr., 90 Vanderveer St., Brooklyn, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

C. B. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Nephrolepis Whitmanii, Superbissima, Schoelzeli and Scottii, 5 in. pot plants, \$4.00 per doz., \$25.00 per 100.

The Storrs & Harrison Co., Painesville, O.
Neph. Whitmanii, 2 1/4-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2 1/4-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench, Whitmanii & Scottii, 2c. each. Leonard Long, Oakhurst, N. J.

Ferns. 2 1/4 in., \$3.00 per 100; Boston, from bench, \$10.00 per 100; strong rooted runners, \$2.00 per 100. Must sell as we are crowded. W. B. Woodruff, Florist, Westfield, N. J.

FERTILIZERS

Pulverised Manure Co., 81 Union Stock Yards, Chicago, Ill.
Wisard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.
Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
For page see List of Advertisers.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
For page see List of Advertisers.

GLASS — Continued

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1183 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1183 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.

S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1183 Broadway, N. Y.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1183 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America, J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange, 26 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co., 1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1183 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 3 in., 1 crown, \$5.00 per 100; 4 in., 2 to 6 crowns, \$10.00 per 100; 7 in., 3 to 12 crowns, \$35.00 per 100; 9 in., about 20 crowns, 50c. each. Cash. F. Sokol, College St., Worcester, Mass.

Field-grown Hydrangea Otaksa, 6 crowns or more, \$10.00 per 100. The Schafer Estate, Ballston Spa, New York.

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. B. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-lie Products.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York, N. Y.
Spraying Compound.
For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Field-grown English Ivy, ready for 4 and 5-inch pots, 2½ to 3 ft., 2 to 5 Breaks, "heavy stock," \$7.00 per 100, \$65.00 per 1000. Leonard Long, Oakhurst, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LAND LEVELS

Bostrom-Brady Mfg. Co., Atlanta, Ga.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM FORMOSUM

Lilium formosum, 7 x 9, \$19.50 per case of 300 bulbs. August Rolker & Sons, P. O. Box, 752, New York, N. Y.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
- Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.
- C. B. Burr & Co., Manchester, Conn.
Carolina and Lombard Popular.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc., West Newbury, Mass.
For page see List of Advertisers.
- The F. E. Conine Nursery Co., Stratford, Conn.
Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.
- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Elwanger & Barry, Rochester, N. Y.

UNION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

ORCHID PLANTS—Continued

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1183 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100. cash. F. Sokol, Worcester, Mass.

PALM AND MAGNOLIA LEAVES

Victor Schmelz & Son, Sanford, Florida.

PANSY PLANTS

20 varieties of giant flowering pansies, in separate colors or mixed, \$2.50 per 1000. Chas. E. Sharp, Mt. Vernon, Ohio.

Kenilworth strain of Giant Pansy plants, 100, 50c.; 1000, \$3.00. Chas. Frost, Kenilworth, N. J.

Pansy plants, fancy show and giant market blends, ready now, \$2.00 per 1000. Cash. F. E. Saunders, 25 Burnett street, Providence, R. I.

Giant Pansies, good strain and stock, \$2.00 per 1,000, cash. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

Pansy plants of my largest flowering mixture of show varieties, unsurpassed quality, good size stocky plants, \$3.00 per 1000; 5000 lots, \$2.50 per 1000. Gustav Pitzonka, Pansy Farm, Bristol, Pa.

Pansy Park Perfection, the best strain of giant show and fancy pansies. It contains the greatest variety of rich and rare colors and markings. Pansies a specialty for nearly 40 years. One of many reports: "Pansies received in fine condition and they are nice, healthy plants." F. D. Keyes, Florence, Mass. Stocky, well rooted, field-grown plants, just right to transplant, mixed colors, 500, \$1.75; 1000, \$3.00. Cash. L. W. Goodell, Pansy Park, Dwight P. O., Mass.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in. \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

For List of Advertisers See Page 621

PEONIES—Continued

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PERENNIALS

EXTREMES MEET!
MINIMUM COST. MAXIMUM QUALITY.
This is demonstrated fully in our 1910 catalogue of
PERENNIALS AND OTHER HARDY PLANTS
which we grow exclusively by the acre.
Free for the asking.
PALISADES NURSERIES, INC.
SPARKILL, NEW YORK.

PETUNIAS

Double Petunias, named, 2 in., 2 cts. Cash. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan E. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago
For page see List of Advertisers.
Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids Iowa

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

POPPIES

Oriental poppies, mammoth flowered, field-grown and potted plants; choice 3-in., \$1.00 per doz. Wingert & Ulery, Maiden Lane, Springfield, Ohio.

PRIMULAS

Frank Oechslein, 4911 Quincy Street, Chicago.

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O.
20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 inch, \$4.00 per 100; 4 inch, \$7.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

PRIVET

C. R. Burr & Co., Manchester, Conn.
For page see List of Advertisers.

PUBLICATION

Landscape Architect, New York, N. Y.
For page see List of Advertisers.

RED OAK ACORNS

Adams & Co., Harbor Springs, Mich.

RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

R. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

SEEDS

F. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
New Sweet Peas.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Flske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

SEEDS—Continued

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

Seed, Lobelia cardinalis, \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

SMILAX

Smilax, 2 in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SNAPDRAGONS

Snapdragons, 2-in. pots, Golden Yellow, Coral Red, Rose, Ruby Red, Rose-pink and White, best varieties and novelties for forcing, \$2.50 per 100, \$22.50 per 1000. Dinstel Bros., 1851 No. 62nd Ave., Chicago.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STEVIAS

Stevia, 5 in. pots, \$6.00 per 100. Or, will exchange for Boston Violets, or any desirable stock. Charles H. Green, Spencer, Mass.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New Model enclosed, self-rolling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

Vinca Variegata, heavy field-grown clumps, \$4.00 per hundred, choice stock. A few extras if you mention HORTICULTURE. Wingert & Ulery, Springfield, Ohio.

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

VIOLET BLOOMS

Marie Louise violet blooms, ready now, good stem and color, 50c. per 100 for month of October; \$1.00 per 100 for November. Cash with order. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 33-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100. The Storrs & Harrison Co., Painesville, O.

In writing to Advertisers kindly mention Horticulture

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

- William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

- The J. M. McCullough's Sons Co., 318
Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

- Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- M. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Moore, Hents & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.,
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York,
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

New Offers in This Issue.**BULBS.**

- Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

CALIFORNIA PRIVET.

- Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

CANTERBURY BELLS, POT GROWN.

- Carl Hagenburger Co., West Mentor, Ohio.
For page see List of Advertisers.

CARNATION WASHINGTON.

- Chicago Carnation Co., Chicago, Ill.
For page see List of Advertisers.

CRIMSON CLOVER SEED.

- J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

FLORISTS' GALVANIZED BUCKETS.

- S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION.

- Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE.

- Sidis Institute, Portsmouth, N. H.
For page see List of Advertisers.

HARDY, NORTHERN GROWN ORNAMENTAL NURSERY STOCK.

- Bay State Nurseries, North Abington,
Mass.
For page see List of Advertisers.

HOLLY FERNS and JARDINERE FERNS.

- R. G. Hanford, Norwalk, Conn.
For page see List of Advertisers.

LARGE EVERGREEN TREES.

- Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

PALMS, BAY TREES, ROSES, ORNAMENTALS, ETC., FOR SHIPMENT.

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PAPER WHITE GRANDIFLORUS NARCISSUS.

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

SPECIAL PLANT OFFER.

- A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

SWEET PEA NOVELTY, MAUD HOLMES.

- Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

TABACCO POWDER.

- The H. A. Stoothoff Co., Mount Vernon,
N. Y.
For page see List of Advertisers.

WATERPROOF CHIFFON.

- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

NEWS NOTES.

Park Ridge, Ill.—Wm. Pasgovel has rented the greenhouses of L. C. Schelt.

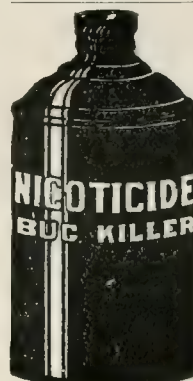
Houlton, Me.—H. L. Chadwick is adding a refrigerator, office and store room and one fern house.

Woburn, Mass.—The greenhouse of J. W. Howard was damaged on Oct.

20th by fire of unknown origin. The engine shed and part of the greenhouse was destroyed.

Bristol, Conn.—David W. Mix, head gardener for William E. Sessions, has resigned his position on account of ill health and will remove from Bristol.

Trenton, N. J.—Carlman Ribsam writes that he is taking down 16 houses on his old place on Hamilton avenue and has bought a new place on Lawrensville road, upon which he is putting up 5 new houses; the balance, 11 houses, will be added later.



**The Best
Bug Killer and
Bloom Saver**

**For PROOF
Write to**

**P. R. Palethorpe Co.
OWENSBORO, KY.**

*green flies and
black ones too*

are easy to kill with

**The Fumigating Kind Tobacco
Powder \$3.00 per bag 100 lbs.**

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

KILMDEAD
The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs., \$1.00	100 lbs., \$ 8.00	1000 lbs., \$27.00
50 lbs., 1.75	500 lbs., 14.00	2000 lbs., 52.50

Stump & Walter Co. 50 Barclay St., New York.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

List of Advertisers

	Page		Page		Page
Advance, The Co.	623	Hoerber Bros.	612	Sharp, Partridge	
Allen, J. K.	614	Home Corresp.		Co.	622
American Nur-		School	621	Sheridan, W. F.	614
series	596	Hollywood Gar-		Sidiss Institute.	621
Aphine Mfg. Co.	606	dens	611	Siggers & Sig-	
Armstrong Mfg.		Horan, E. C.	614	gers	623
Co.	621	Hunt, E. H.	620	Skidelsky & Ir-	
Aschmann, G.	594	Intern'l Floral		win	609
Association	610	Association	610	Slinn, B. S., Jr.	614
Badgley, Reidel		Jacobs, S. &		Smith, E. D. &	
& Meyer	614	Sons	623	Co.	606
Banner, J. L.	615	Kastling, W. F.		Smith, P. J.	614
Barnard, W. W.		Co.	614	Smith, W. & T.	
Co.	609	Kervan Co.	614	Co.	596
Barrows & Son	594	King Cons. Co.	623	Smyth, Wm. J.	610
Bayersdorfer, H.		Krick, W. C.	615	Standard Plate	
& Co.	611	Kroschell Bros.		Glass Co.	622
Bay State Nur-		Kuebler, W. H.	615	Stearns, A. T.	
series	604	Lager & Hurrell	594	Lumber Co.	623
Beaven, E. A.	615	Landscape Archi-		Stoothoff, H. A.	
Boblink & At-		itecture	596	Co.	620
kins	596	Langjahr, A. H.	614	Stumpp & Wal-	
Boddington, A. T.	603	Lawrence, H. V.	610	ter Co.	620
Bolgiano, J. &		Leonard Seed Co.	609	Syracuse Pottery	
Son	609	Leuthy, A. & Co.	607	Co.	622
Boston Florist		Long, W. H.	610	Tailby	610
Letter Co.	611	Lord & Burnham			
Boston Plate &		Co.	624		
Window Glass		MacMulkin, E.	610		
Co.	622	Matthews	610		
Braslan Seed Co.	609	McCarthy, N. F.			
Breck, J. & Son	609	& Co.	615		
Breitmeyer's, J.		McConnell, Alex.	610		
Sons	610	McCray Refrig-			
Bridgeman's Seed		erator Co.	611		
Warehouse	609	McCullough's, J.			
"Buds"	609	M. Sons Co.	612		
Buffalo Land Se-		McHutchison &			
curity Co.	621	Co.	595		
Burpee, W. A. &		McKellar, C. W.	612		
Burr, C. R.	596	McManus, Jas.	614		
Co.	609	Miami Valley			
Buxton, Doane		Seed Co.	609		
Co.	623	Michell, H. F.			
Carrillo & Bald-		Co.	608		
win	594	Michigan Cut			
Chicago Carna-		Flower Ex.	615		
tion Co.	595	Millang, A.	614		
Childs, John		Millang, Chas.	614		
Lewis	606	Millang, F.	614		
Clarke, Dan'l A.	596	Miller, A. L.	595		
Clarke's, D.		Moltz, A. & Co.	614		
Sons	610	Moninger, J. C.			
Conine, F. E.	596	Co.	623		
Cowee, W. J.	612	Moore, Hentz &			
Craig, Robt. Co.	594	Nash	614		
Crawback, G. W.	614	Morse, C. C. &			
Dards	610	Co.	609		
Dawson, H. S.	606	Murray, Samuel	610		
Dingee & Conard		N. E. Nurseries	596		
Co.	596	Niessen, Leo	612		
Dodd, Chas. H.	622	Oechsli, Frank	595		
Dorner & Sons		Ordenez Bros.	594		
Co.	595	Ouwkerk, P.	596		
Dreer, H. A.	607-622	Paiethorpe, P. R.			
Dunlop, John H.	610	Co.	620		
Dysart, R. J.	615	Palmer, W. J. &			
Eastern Nurser-		Son	610		
ies	606	Park Floral Co.	610		
Edwards Folding		Parshelsky Bros.	622		
Box Co.	612	Peacock Dahlia			
Ellwanger &		Farms	607		
Barry	607	Pennock-Meehan			
Elliott's, W.		Co.	613		
Sons	609	Perkins St. Nur-			
Esler, J. G.	623	series	607		
Ernest, W. H.	622	Peters & Reed			
Eyres	610	Co.	622		
Farquhar, R. &		Pierce, F. O. Co.	623		
J. & Co.	609	Pierston, F. R.			
Foley Mfg. Co.	623	Co.	606		
Ford, M. C.	614	Pierston, A. N.	595		
Ford, W. P.	614	Pierston U-Bar			
Fottler, Fiske,		Co.	624		
Rawson Co.	609	Poehlmann Bros.	612		
Froment, H. E.	614	Pratt, B. G.	620		
Galvin, Thos. F.	611	Raedlein Basket			
Gloeckner, Carl		Co.	612		
R.	609	Red Oak Nurser-			
Greater N. Y.		ies	596		
Florists' Asso.	614	Reed & Keller.	615		
Grey, T. J.		Reinberg, Peter.	612		
Co.	609	Rice Bros.	612		
Gude Bros. Co.	610	Rice, M. & Co.	594		
Hagenburg-		Rickards Bros.	609		
er, Carl.	595	Robinson & Co.	612		
Hall Association.	623	Rock, Wm. L.	610		
Hanford, R. G.	606	Roehrs, Julius			
Hart, Geo. B.	612	Co.	594-595-604		
Hartmann, Hjal-		Roland, Thos.	595		
mar	609	Rolker, A. &			
Herbert	595	Sons	622		
Hews, A. H. &		Rosens	612		
Co.	622	Sander & Son.	594		
Hillinger Bros.	622	Schultz, Jacob.	610		
Hill, The E. G.		Scott, John.	607		
Co.	594				
Hitchings & Co.	624				

GREENHOUSE PROPERTY TO LEASE

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4,500 square feet. There are two graperies with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

SIDIS' INSTITUTE PORTSMOUTH, - - N. H.

PUT YOUR SAVINGS IN RESIDENTIAL BUILDING LOTS.

Be sure they are in improved sections. Buy close to a big city. Purchase early, don't let others make profits out of you. The greatest fortunes were made by realty investments. We will offer 1000 choice building lots on December 1st, at prices that will pay very handsome profits. Terms of purchase, \$25.00 cash, per lot, balance in thirty-six equal payments. No interest or taxes during this period. If you die before completing your payments, a deed is given your heirs, without further cost. Size of lots, 25 ft. by 120 ft. and upward. Price of lots, \$75.00 and upward, according to location. By investing in land you own something for your money. Investments in stocks or savings accounts are under the control of others. We guarantee you a profit of at least 25 per cent. for the first year. Subscription lists are now open. By remitting us \$10.00 per lot, subscribers get first selections. The first 500 subscribers will also receive a credit of 10 per cent. on their purchase. Act now. Let us make money for you and protect your savings.

We want agents in your locality. Write us the names and addresses of some of your neighbors. Do it now.

BUFFALO LAND SECURITY CO.,
Ellicott Sq., Buffalo, N. Y.

MISCELLANEOUS

WANTED to exchange 16 in. x 24 in. D. T.-B. glass for geraniums from the ground, dahlia bulbs or currant cuttings. Emilynn Nurseries, Lynn, Mass., 43 Whiting Street.

WANTED 10 in. x 12 in. D. T. glass in job lots. Emilynn Nurseries, Lynn, Mass., 43 Whiting Street.

In ordering goods please add "I saw it in HORTICULTURE."

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

LEARN WIRELESS and R. R. TELEGRAPHY! Shortage of fully 10,000 operators on account of 8 hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Davenport, Ia., Columbus, S. C., Portland, Ore.

SITUATIONS WANTED

The advertiser is open for an engagement with any gentleman or florist requiring the services of a good grower. Have had extensive experience both under glass and outside work, such as grading, flowers, fruit and vegetable growing. Well recommended, English, married, age 38. John Thatcher, Chester, W. Va.

FOR SALE

FOR SALE

3 TUBULAR BOILERS

66 in. by 18 ft., perfect condition and cheap. ADDRESS

ARMSTRONG MFG. CO., Springfield, Ohio.

FOR SALE No. 4 Doric heater, second hand; about 2000 feet 2 inch pipe; the glass of a house 20 x 70 ft., 16 in. x 24 in. lights; about 8,000 or 10,000 flower pots of different sizes; and a lot of good sash 3 ft. x 6 ft. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

FOR SALE—Greenhouses, 22,000 ft. of glass stocked with carnations. All in first class condition; fine location for retailer. One-third cash, balance in yearly payments. Address Fluegge Bros., 4840 N. Leavitt St., Chicago, Ill.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

FOR SALE

Greenhouse, 20 x 100 feet, most of material nearly good as new. Price, about one-half cost of new. L. W. Goodell, Dwight, Mass.

FOR SALE—McCray Florist Refrigerator. Good as new, particulars on application. Address B. A. Gage, 76 Dorrance street, Providence, R. I.

TO LET

TO LET—Cottage House, eight rooms above basement; modern improvements; near General Electric Works, library, new classical high school and city hall; near Boston, Salem and Lowell electric. Laundry with set tubs in basement. Rent \$8.00 per week. Address Emlynn Nurseries, Lynn, Mass., 43 Whiting Street.

GREENHOUSE PROPERTY TO LEASE

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4,500 square feet. There are two grapevines with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

SIDIS' INSTITUTE PORTSMOUTH, N. H.

PUT YOUR SAVINGS IN RESIDENTIAL BUILDING LOTS.

Be sure they are in improved sections. Buy close to a big city. Purchase early, don't let others make profits out of you. The greatest fortunes were made by realty investments. We will offer 1000 choice building lots on December 1st, at prices that will pay very handsome profits. Terms of purchase, \$25.00 cash, per lot, balance in thirty-six equal payments. No interest or taxes during this period. If you die before completing your payments, a deed is given your heirs, without further cost. Size of lots, 25 ft. by 120 ft. and upward. Price of lots, \$75.00 and upward, according to location. By investing in land you own something for your money. Investments in stocks or savings accounts are under the control of others. We guarantee you a profit of at least 25 per cent. for the first year. Subscription lists are now open. By remitting us \$10.00 per lot, subscribers get first selections. The first 500 subscribers will also receive a credit of 10 per cent. on their purchase. Act now. Let us make money for you and protect your savings.

We want agents in your locality. Write us the names and addresses of some of your neighbors. Do it now.

BUFFALO LAND SECURITY CO., Ellicott Sq., Buffalo, N. Y.

MISCELLANEOUS

WANTED to exchange 16 in. x 24 in. D. T.-B. glass for geraniums from the ground, dahlia bulbs or currant cuttings. Emlynn Nurseries, Lynn, Mass., 43 Whiting Street.

WANTED 10 in. x 12 in. D. T. glass in job lots. Emlynn Nurseries, Lynn, Mass., 43 Whiting Street.

In ordering goods please add "I saw it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.



DREER'S
Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

OBITUARY.

Peter Lambert.

Peter Lambert, formerly custodian
of Greenwood Park, died Oct. 13th,
after a long illness, at his home, 3704
Ingersoll avenue, Des Moines, Ia.

John R. Lesh.

John R. Lesh died October 15th at
290 Harrison avenue, St. Paul, Minn.,
after a long illness. He had been em-
ployed by L. L. May & Co., in their
seed department.

Frank Nicola.

Frank Nicola, 30 years old, who was
employed as a gardener in Arlington,
Mass., fell dead from apoplexy while
waltzing at a Knights of Pythias
dance on the night of October 25.

NEWS NOTES.

West Mentor, Ohio.—Frank Gompf
is now foreman for Carl Hagenburger.

Chicago, Ill.—Wm. Kavina has pur-
chased the Norwood Park Floral Co.
plant.

Winchester, Ky.—J. W. Shearer has
sold his greenhouse plant to Poole &
Purllant.

Akron, N. Y.—James J. Bates has
gone into business for himself, having
severed his connection with the New-
man Greenhouses.

Columbiana, Ohio.—The greenhouses
of Henry Weaver are being moved to
a piece of ground near town which he
has just purchased.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS

Sharp, Partridge & Co.,

2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

GREENHOUSES BUILDING OR CONTEMPLATED.

Omaha, Neb.—A. Hooge, one house.
Houlton, Me.—H. L. Chadwick, fern
house.

Parkersburg, W. Va.—City Park,
one house.

Providence, R. I.—James Crawshaw,
two houses.

Franklin Falls, N. H.—Harry W.
Gardner, addition.

Logansport, Ind.—Christian Kees-
ling & Sons, two houses.

Akron, Ohio.—M. J. Gilbo & Sons,
two houses each 18 x 110 feet.

Contracts have been let for the
erection of a palm house, with two
wings, propagating house and work-
room, at Albany, N. Y., for George
C. Hawley. H. C. Gloeckner will su-
perintend the construction.

CHARLES H. DODD

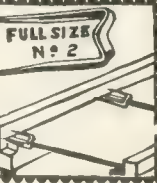
Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

Holds Glass
Firmly
See the Point
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St. Phila., Pa.



STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.96
1500 2 1/4 " " " 5.85	120 7 " " " 4.20
1500 2 1/2 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.50	24 11 " " " 3.60
456 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
210 5 1/2 " " " 3.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent. off for cash with order. Address
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.
Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE,
N. Y.

All The Clay for our

Florist' Red Pots

is prepared by passing through a screen
1600 meshes to the square inch. If in
a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."
SIGGERS & SIGGERS
PATENT LAWYERS
Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash
Of Every Description
Get our Prices and Catalogue.
S. JACOBS & SONS
1359-1385 Flushing Ave.
Est. 1781. BROOKLYN, N. Y.

KROESCHELL HOT WATER BOILERS
ORDER NOW
TELEGRAPH AT OUR EXPENSE
This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.
More Kroeschell Boilers and Generators used for greenhouse heating than any other make.
Send for catalogue.
KROESCHELL BROS. CO.
466 West Erie St., CHICAGO, ILL.
WILL SHIP WHEN WANTED
PAY AFTER BOILER REACHES YOU

FIRST COST SHOULD NOT BE THE ONLY
CONSIDERATION IN

GREENHOUSE CONSTRUCTION

KING HOUSES ARE REASONABLE IN COST AND TRULY ECONOMICAL FOR THEY ARE LASTING AND EASY OF MAINTENANCE, AND RELIEVE THE MIND IN TIME OF STORM.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, Insurer of \$2,500,000 sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.



PERHAPS YOU ARE ONE OF THE ONES THAT PREFER THE THREE QUARTER SPAN HOUSE. IF SO WE

better build it for you. Not that there is any trick in just building it, but there is a good deal to be said concerning our way of building it, and what we build it of. It's of these things we want to talk to you about. Write. Come and see us—or we will come and see you.

Hitchings & Company
1170 BROADWAY NEW YORK



Here's An Idea

The man who has a conservatory to which the choicest specimens from the greenhouse are brought, appreciates and enjoys them more than when he has to tramp through the snow to the greenhouses to see them. Then, too, he can enjoy them with his entire family.

It is surprising how many plants can be grown directly in one of these conservatories without the help of a greenhouse. The conservatory need not be as large or as elaborate as the one here shown, but large or small, it gives an interesting retreat during one's loafing hours, and is a never failing source of pleasure.

This one we erected for Mr. S. W. Winslow, at North Beverly, Mass. Those glass doors open from the breakfast room. It is fully illustrated and described in our New Catalog of Private Greenhouses and Conservatories. Send for it.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg

Boston
Tremont Bldg.

Philadelphia
Heed Bldg

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

LIBRARY
NEW YORK
BOTANICAL
GARDEN

Vol. XII.

NOVEMBER 5, 1910

No. 19



VIEW IN ELIZABETH PARK
Hartford, Conn.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

RICE STANDARD

RICE STANDARD

Adjustable Waterproof Crepe Paper Pot Covers

A true note was struck by our Adjustable Waterproof Crepe Paper Pot Covers. The response has been quick and lasting, as they represent the only successful effort to produce a really artistic ready-made pot cover at a moderate cost. Quite naturally they have become the most popular **Paper Pot Covers** because the trained florists recognize their distinctive qualities. Made of heavy Waterproof Crepe Paper in two-toned effect, double row rolled scalloped top and two elastic bands. Will fit standard pots, and are easily adjusted for $\frac{3}{4}$ pots and pans. Indispensable during Holiday rush.

.... PRICES

No.	Per 100	No.	Per 100
501 for 5 inch pots.....	\$7.50	503 for 7 inch pots.....	\$11.50
502 " 6 " "	9.50	504 " 8 in. or 9 in. pots.....	13.50

Outside color always Foliage Green. Inside facing Nile, White or Pink. Packed 25 to box in following assortment: $\frac{1}{2}$ Moss and White, $\frac{1}{4}$ Moss and Nile, $\frac{1}{4}$ Moss and Pink.

KATALOG for the asking

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Manufacturers—Importers—Originators

1220 Race Street,

PHILADELPHIA, PA.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, $2\frac{1}{2}$ inch \$30.00 per 1000,

WHITMANI, $2\frac{1}{2}$ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

	2 in. per 100	3 in per 100
COLEUS. In standard sorts	\$2.00	\$3.00
SWAINSONA. Alba	2.00	3.00
ALYSSUM. Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2.00	3.00
LANTANAS. Assorted	2.00	3.00
DOUBLE PETUNIAS. Mixed Colors ..	2.00	3.00

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year

McHUTCHISON & CO., 17 Murray St., New York

35-37 Randolph St., Chicago, Ill.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

RUTHERFORD, N. J.



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity. German Iris in 50 named varieties, \$6.00 per 100. Japan Iris in 10 best named varieties, \$8.00 per 100.

NURSERYMEN AND FLORISTS
Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

1911

**NEW and RARE
SHRUBS
and
VINES**

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 215 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking
THE BAY STATE NURSERIES, North Abington, Mass.

**Trees, Shrubs, Vines
and
Herbaceous Perennials**
of excellent quality
at moderate cost

My Catalog is yours for the asking

DANIEL A. CLARKE
Red Oak Nurseries
FISKEVILLE, - - R. I.

TREES and SHRUBS
For Fall Planting

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitae, Colorado Blues, &c. Also in Catalpas, Birches, Planes, Poplars, &c.

Very large Privet.
Evergreens are dug with balls.
THE F. E. CONINE NURSERY CO., Stratford, Ct.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

Incarvilleas

Incarvilleas are hardy herbaceous plants of high ornamental merit, all natives of China. As the first introductions, we find the varieties *I. Olga*, syn. *Koopmannii* and *I. variabilis* syn. *I. compacta* mentioned. Although known since 1880, they are rarely seen in American gardens. Not until *Incarvillea Delavayi*, and more recently, *Incarvillea grandiflora*, were introduced to the trade have we become more closely acquainted with this stately plant species. The extraordinary attractive foliage of *I. Delavayi*, resembling in shape the classic acanthus leaf of the ancient Greeks, never passes unnoticed. Here in the north the large gloxinia-like flowers, borne on tall erect stems, free above the foliage, appear during July and August. At that time the beauty of Incarvilleas compels the interest and admiration of all plant lovers. The color of the fully developed flowers of *Delavayi* is a bright carmine-pink, with yellowish-brown shadings at the base of inner tube, while those of the lower growing *I. grandiflora* are purplish pink.

with white centre. The foliage of the latter is more coarse, but the singular flower is larger. Both varieties may be justly classed among our most effective perennial border plants. I have also seen *Incarvillea Delavayi* planted in clumps by themselves on the open lawn to very good advantage.

Incarvilleas are easily raised from seed sowed in spring or propagated by root division. Seedlings show very little topgrowth the first year while they form small fleshy rootstocks under ground, which, during



the following season, produce normal foliage and usually the first flower stalks. To obtain the strong bushy plants shown on our illustration requires from three to four years' cultivation. Incarvilleas have under proper winter protection proven perfectly hardy as far north as Canada. A deep sandy loam and an open sunny position are essential for their sturdy growth.

Richard Roth

Northeast Harbor, Me.

New Roses in Great Britain and Germany

Judging by the new varieties shown at the National Society's meeting on September 15 no flower of extraordinary beauty, color or shape was offered for the gratification of lovers of roses. The new tea rose *Mrs. Foley Hobbs*, a variety hailing from A. Dickson & Sons, is not one that the rose lover will go into ecstasies about, in spite of the gold medal awarded to it. It is a good bloom, but its color is too undecided; that is, it is a white rose having a pinkish tinge. Another gold medal rose—*Mrs. H. Stevens*, a Tea variety shown by another Irish firm—has a white flower that has somewhat the shape of *Niphetos*, but is less charming, and is of only moderate size. Hugh Dickson & Son received a silver gilt medal for their *Marchioness of Waterford*, a very full flower, bright pink, the outer petals less intense in color than those near the centre, and having reflexed edges. The central mass of petals forms a separate mass of a globular shape which does not open out and show their color so as to add to the effect as a whole.

We must wait till these novelties are grown under more normal conditions than are usually accorded novelties. When a new rose is shown, it is prudent for gardeners and amateurs to abstain from passing a final opinion as to its merits in regard to growth, habit, floriferousness and adaptability for a variety of purposes. The excessive propagation of a new rose of promise in too

high a degree of warmth by means of soft-wood cuttings, budding, and grafting has a damaging effect in various directions; and a considerable time must elapse before new roots develop, and healthy top growth is made.

The number of new roses brought into commerce annually in Germany is very large, so that it becomes a difficult matter to decide on those which have any lasting value. Those cultivators who have the space necessary for extended trials will be enabled to select good ones. As most of the new roses belong to the Hybrid Tea class, I will name a few of the finer varieties. *Frau Oberhofgartner Singer* flowers freely, and the growth of the plant is sufficiently vigorous; and the filbert shaped buds expand readily into beautiful blooms that are not too full of petals. The color is bright rose with a white edging. It is of value for cutting and garden decoration. *Ecarlato* has a vigorous habit and produces a large number of medium sized scarlet flowers. It has been observed in English gardens in good form this year, and is decidedly a good variety for planting in beds. *Friedrichsruhe* possesses large foliage, which always remains healthy and the habit of the plant is spreading. The large—to very large—flowers, are crimson, strongly fragrant and well filled. It makes a grand standard but is less good as a low bush. *Laurente Carle* is one of the handsomest of the dark H. T. The habit is erect and

strong; and the long bud discloses a large flower of shining carmine. As a rose for groups, beds, and also as a standard, it will become a favorite variety; and probably displace Etoile de France, which opens its blooms with difficulty. The Lyon Rose is getting well-known in English gardens. The plant is a strong grower, but more in breadth than in height, and for that reason it makes a good standard. Its capacity as a rose for cutting is enormous, but the flowers when cut soon lose their magnificent color, whereas on the plant it is more lasting. The color is coral red, or is inclined to orange according to the nature of the soil and the position of the plant. Mme. Maurice de Luze has a strong, erect habit. The flower buds expand readily, surmount long and strong stems, and the large pink flowers are well filled. It is a good variety for cutting and for beds.

Frederick Moore

Seasonable Notes on Culture of Florists' Stock

CYCLAMENS

The earliest of this year's plants that are now showing well developed flower buds should be given a rather high bench or a shelf near the glass. Allowing plenty of room between the plants will help to further the development of these fine holiday favorites. Cyclamens should have a temperature of about 55 degrees with a slight increase on all bright days so as to be right for Christmas. Plants that are somewhat backward can be hastened by a few more degrees to insure their coming in for the holiday trade. Great care should be taken in watering and sprinkling, and if care is duly exercised watering may be done with a hose as well as the can. Light fumigations will effectually keep down the aphids until the flowers open. Cyclamens that were sown in August or September will by this time be of sufficient size for the first pricking off. This should be done before we reach the most unfavorable part of the year. These little plants should have a bench or shelf close to the glass where from 60 to 65 degrees of steady warmth can be maintained. This will keep them in a healthy growing condition during the first part of the winter.

CYPRIPEDIUMS

For the average florist there is no more valuable orchid than *Cypripedium insigne*, which can be had in bloom just after the chrysanthemum season is over. It makes a fine flower for the holiday season, lasting, as it will, for over a month in good condition. It is essential at all times to give regular ventilation as moisture in excess is liable to create a stagnant atmosphere which is very injurious to this class of orchids. Shading should now be entirely dispensed with as they will stand full sunshine without danger of burning. A weekly application of weak liquid manure will be of great assistance in the perfection of the plants and bloom. From now on a temperature of 55 to 60 will suit them well. Give a liberal supply of water, allowing the compost to become dry occasionally, so as to prevent stagnation. Keep the plants free from the yellow thrips by sponging occasionally with a weak solution of nicotine or tobacco water. It is a good plan to give the house a light fumigating once or twice fortnightly to keep the pests down.

BULBOUS STOCK

It is time now to put into heat such early bulbs of Roman hyacinths and paper white narcissi as are well rooted. They will take from six to seven weeks to come into flower. Paper whites should be stood in full light

and in a house where the temperature is about 50 degrees at night. By the first of December if they don't seem far enough advanced they can be placed in a temperature of 60 degrees, and when they have attained their development in the way of bloom they can be placed in a cool house to harden off. Roman hyacinths may be given, if backward at the above date, a temperature of 65 to 70 degrees, and treated when the bloom is sufficiently out in the same manner as paper whites.

EARLY FREESIAS

Plants that are intended for the holiday blooming should be far enough advanced by this time to demand some manner of support. When this is neglected it tends to produce very unsightly stems and foliage. To have these in flower for Christmas or New Year's they should be placed on a shelf or bench in a house where the night temperature runs from 55 to 60 degrees. Those in flats, pans or pots will need a copious supply of water. When the flowers appear they will appreciate weak doses of liquid manure, say about once a week. When grown chiefly for cut flowers they can be had in bloom from Christmas until May by successive plantings. It is better to cut when only two or three flowers are out; the rest will open while in water.

FLORISTS' WINTER REQUISITES

Now is a good time to provide all material that is necessary, such as compost, potting soils, manures, fertilizers, propagating sand and anything that may come under this head. Most of these things can now be had at less expense and with less exertion than at a later date, so make preparations now for the winter's supply of anything that by composting and proper preparation can be worked up into good bench or potting soil. In addition to loam you should have some of that valuable and necessary medium, leaf-mold. Save your leaves and stack them each year. By turning them once or twice, in a year to two you will have a supply of excellent mold. Well rotted and dried cow and sheep manure are both of great value. You cannot go wrong in placing some of this where it will be well protected from the winter weather. Moss, either that from the woods or that from swamps, commonly known as sphagnum, will come in useful for bottoms of pots, for covering of drainage or for packing of plants.

ROSES

The temperature from this out is liable to frequently drop quite low, so a great deal of attention will be necessary with the ventilators and fire heat. Plenty of air on all clear days is especially necessary. No set rule can be laid down, only bear in mind to give all the air possible avoiding draughts. Should the night be warm carry a little fire and leave the ventilators open a crack. It is not advisable to put on a heavy mulch at this time of the year, especially when we have any amount of cloudy weather. With the extra heat now needed the benches will dry out at the bottom, while on top they appear moist, therefore care should be exercised to keep the soil as even in moisture as possible. Liquid manure is perhaps the best mode of feeding the plants at this season, as the grower can watch his plants while watering better without a heavy mulch, but it behooves him to keep a light mulch on the benches to protect surface roots. Green fly multiply very rapidly in muggy weather so fumigate often.

John J. M. Farrell

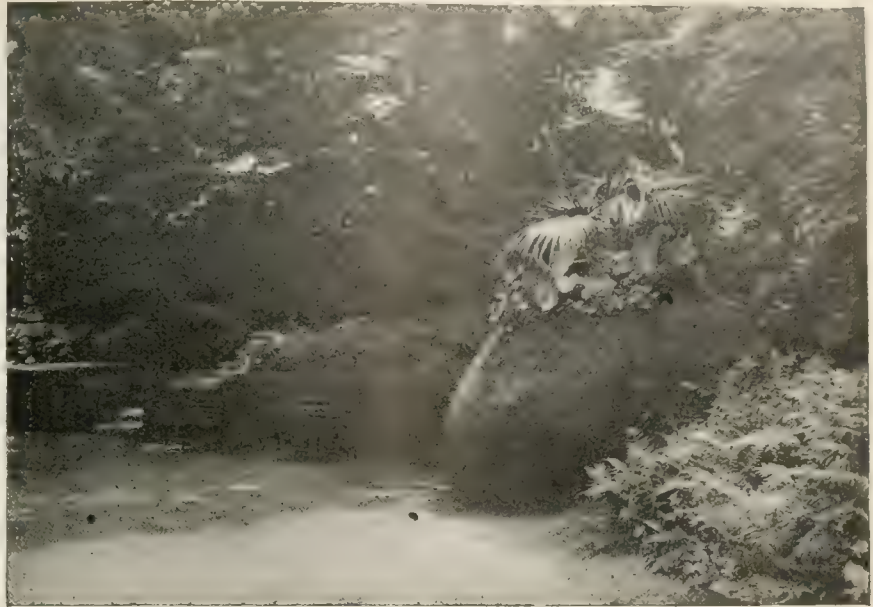
Mr. Farrell's next notes will be on the following: Cinerarias; Genista; Japan Lilies; Pansies; Spiraea Japonica; Tulips and Von Slons.

SUNKEN GARDEN AT HARTFORD, CONN.

The "Sunken Garden," so-called, in Elizabeth Park, Hartford, Conn., has received many favorable comments by visitors and seems to be generally considered as an addition to the attractions of this already much loved public recreation ground. Elizabeth Park was designed and constructed by Mr. Theodore Wirth, for ten years Superintendent of Parks in Hartford, and will always keep his name in most kindly remembrance here. Since it has been under my general care, I have striven to do nothing that Mr. Wirth himself would not have done, or that was not in accordance with his designs, unless the needs of the people in using the park made it necessary.

The visitors to this Park have rapidly increased, and the space needed for their accommodation had to be added to. The Refectory, which was formerly rented as a concession, was last year and this run by the Park Department directly, which added largely to its patronage, and the rooms and space assigned for this work became inadequate. There was neither the means nor opportunity to add to the building and the "Sunken Garden" was devised as a relief for the pressure that had begun and was anticipated in this service.

Again the thought was to furnish an opportunity where family parties could bring their evening lunch as a picnic, find table and seats waiting for them, where hot water, if they cared to brew their own tea, and other ordinary conveniences could be had without cost, and milk and the simple accessories to such a meal could be had at cost, so that a family using the Sunken Garden as an outdoor dining room would find it no more expensive than if they ate at home. At the same time, the Park would sell other things at the usual retail price, which would give sufficient profit to pay for the service. This was the motive which I believe just-



fied the changing of a very pretty slope or valley into a "Sunken Garden." It has not yet, however, been worked out as planned, but in the end I believe it will.

The construction of the "Sunken Garden" was very simple. The bottom of the valley was about fifteen feet below the upper surface. Nearly level surfaces were extended from the bottom of the valley until the amount of the cut equalled the fill-back of the terrace walls. Then the next terrace was constructed in a similar way, care being taken to have the alignment of the terrace pleasing and the space between them proportionate.

The terraces themselves are sod-walls two feet thick at the bottom and fifteen inches at the top and watered with a series of drain tile in the rear of the sod.

The sod walls are symmetrical, thirty-six feet wide at the top and

bottom and eighteen feet wide in the center. The steps are six-inch rise and eighteen-inch tread. It would have been much better if they had been eight-inch rise and fifteen-inch tread. The arbors were made from waste material from the woods, except the roofs.

The Gardens are so well lighted evenings that newspapers can be read in the pergolas and summer houses.

G. A. Parker

ROTTING OF CATTLEYA LABIATA BUDS.

Editor HORTICULTURE:

In your last issue I noticed an item about *Cattleya labiata* buds rotting. I hardly think that the double sheaths have anything to do with that. I have occasionally very strong growths that produce triple sheaths, but I have never seen them rot. Some or all of the buds are liable to dry up if the plant is not strong enough to support them, but if they rot then the plant evidently has been checked. A sudden change from very dry to very wet just at the time the buds begin to push up is liable to be the cause of it also; at least that is my experience with *Cattleya Trianae*. The lodging of water in any part of the plant is injurious only if the temperature is low or the air becomes stagnant.

A. J. PAULS.

THE AZALEA SUPPLY.

Florists' forcing azaleas are an increasingly scarce commodity. Some of the leading Belgian sources of supply are practically cleaned out and are unable to fill orders already accepted. Many buyers are forced to accept a partial filling of their orders only and the present is no time to be over-particular about varieties. Indeed, there is no prospect of a freer supply in the immediate future and higher prices may be confidently predicted for next year.



VOL. XII

NOVEMBER 5, 1919

NO. 19

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

	Page
COVER ILLUSTRATION—View in Elizabeth Park, Hartford.	
INCARVILLEAS—Richard Rothe Illustrated.	629
NEW ROSES IN GREAT BRITAIN AND GERMANY—Frederick Moore.	629
SEASONABLE NOTES ON CULTURE OF FLORISTS' Stock—Cyclamens—Cypripediums—Bulbous Stock—Early Freesias—Florists' Winter Requisites—Roses—John J. M. Farrell.	630
THE SUNKEN GARDEN AT HARTFORD, CONN.—G. A. Parker.	631
ROTTING OF CATTLEYA LABIATA BUDS—A. J. Pauls.	631
THE EXHIBITIONS:	
Nassau County Horticultural—New Jersey Floricultural—New Haven, Conn.—San Francisco—Morristown, N. J.	633
Washington, D. C.—Red Bank, N. J.—Lenox, Mass.—Orchid Novelties in a London Show—Horticultural Society of New York.	634
CHRYSANTHEMUM SOCIETY OF AMERICA:	
Annual Meeting—Election of Officers—Address of President Elmer D. Smith, Portrait—Work of Committees.	635
CLUBS AND SOCIETIES:	
Florists' Club of Philadelphia—Gardeners' and Florists' Club of Boston—Society of American Florists.	636
DURING RECESS:	
New York Bowlers—Chicago Bowlers—Chicago Wholesale Employees.	636
THE HOME OF THE SCOTTI FERN.	637
OBITUARY:	
David Pearce Penhallow—William Kolberg.	637
FLOWER MARKET REPORTS:	
Cincinnati, Washington.	638
Boston, Buffalo, Chicago.	645
New York, Philadelphia.	647
SEED TRADE NOTES.	640
OF INTEREST TO RETAIL FLORISTS:	
The Doyle Failure—Steamer Departures—New Flower Stores.	642
Flowers by Telegraph.	643
MISCELLANEOUS:	
The Azalea Supply.	631
A Yellow Bridesmaid.	635
Personal.	635
Fire Record.	636
Cincinnati Personals.	637
News Notes.	637-638-640
Catalogues Received.	640
Chicago Notes.	642
Greenhouses Building or Contemplated.	654
Incorporated.	654

arena floor, with a mountainside forest background," the river winding irregularly over the Auditorium floor for a stretch of 225 feet under rustic bridges, disappearing into a rocky cavern. The Minnesota State Florists' Association also has ambitious plans for the show to be held in Minneapolis next week. A complete diagram of the floor arrangement has been published in the daily papers, showing the plant groups artistically placed in stretches of lawn flanked by a series of arbors. The New London Horticultural Society has decided to eliminate entirely the competitive idea and the effort will be to put up an ornamental show using the material sent in where it will best fit, without regard to ownership. This latter is rather too radical, we should say, for general adoption. But the sentiment all over the country seems to tend in one direction and next year we expect to see still more of it.

Exhibitors at several of the eastern flower shows scheduled for this week have, in common with the plant and flower shipping industry generally, a very awkward situation forced upon them through the almost paralyzing interruption of transportation caused by the expressmen's strike. At practically all points in the eastern section of the country merchandise has only been accepted by the transportation companies subject to indefinite delay and it is only when independent local carrying facilities have been available that any assurance of delivery on time has been possible. Exhibitors whose stuff must pass through New York City are liable to have it held up there as the express companies are unable to give any guarantee that they will transfer the flowers from station to station. The effect on the shows to which so much preliminary thought and effort have been given is sure to be disastrous and the inevitable result will be keen disappointment in many quarters. A cessation of hostilities at an early date would be a welcome relief.

This strike of the employes of the express companies which has crippled transportation in New York City and neighborhood and at present outlook threatens to spread to other sections is exceptional in that the strikers unquestionably have the sympathy of the business community despite the inconvenience and loss which the latter are obliged to suffer. Unfortunately, as so often happens, acts of violence have occurred which tend surely to alienate the public sympathy and, equally ill-judged is the avowed determination of the strike leaders to extend their operations far beyond the main issue should their first demands not be granted. The American public has suffered so much from the exactions of the great express monopoly that it is not surprising that many who are unalterably opposed to strikes as a matter of principle, should find their sympathies going out to these men in their effort to secure better hours and better wages from employers who are known to be making exceptionally large profits in their business. As a class the express drivers have merited the gratitude and good-will of the plant and flower shipping industry by their many acts of courtesy and accommodation in season and out of season and it is a pity that their cause should now be jeopardized through hot-headed leadership. Had the men made their appeal in a straight-forward manner to the business men of New York City to give them their support in taking their case before the Interstate Commerce Committee we feel sure the appeal would not have been made in vain, and there can be little doubt of what the outcome would have been.

Scenic features in
 the flower show

Following up briefly our remarks in last issue, on the present tendencies in flower show matters, we are pleased to note that Milwaukee

proposes to come forward this year with a spectacular feature described as "a river of real water emanating from a picturesque gorge twenty-five feet above the

HORTICULTURE

THE EXHIBITIONS

NASSAU CO. HORTICULTURAL

The annual fall show was held in Pembroke Hall, Oct. 27-28. Chrysanthemums of course were the main feature, but what struck me all through the show was the interest taken by the visitors in the fine displays of out door flowers. While the big monsters were greatly admired, they only received a casual glance, as compared to the time devoted to the different classes of out door flowers and single chrysanthemums especially. Those last named are growing in favor every year, and as for out-door grown chrysanthemums, I heard a prominent lady say that if such fine blooms could be grown outside, they could almost do without glass. A fine exhibit of pot-grown dahlias made by M. D. Matz of Glen Cove was a surprise to many, and shows a great future for those popular flowers. Chrysanthemums were extra fine and competition keen. I doubt if better blooms will be seen at any other show this season. The judges were Messrs. W. Turner, J. F. Huss and Wm. Scott.

Awards: Group of chrysanthemums, 50 sq. ft., W. Eccless, first; A. McKenzie, second. Group of ornamental plants, 75 ft., A. McKenzie, first; J. Ingram, second. Chrysanthemum, cut blooms: Six distinct, J. F. Johnston; H. Gaut. Six white and six yellow, A. McKenzie; R. Marshall. Six pink, R. Marshall; A. McKenzie. Six crimson, J. Everett; V. Cleres. Six bronze, J. McDonald; I. Everett. Specimen bush, R. Marshall; A. McKenzie.

Roses: twelve white, J. Robinson. Twelve pink and 12 any color, V. Cleres.

Carnations: twelve white, A. McKenzie; P. Reul. Twelve pink, W. Eccless. Twelve red, W. Eccless. Commercial growers: Chs. Webber, H. Matz.

Violets, single: J. Reidenbach; double, H. Gaut.

Centre Piece, J. Quinlin; H. Gaut.

Fr. Petrocchia was heavy winner in the vegetable class. Others were R. Marshall, I. Reidenbach, J. F. Johnston, F. Johnston, F. Barton, V. Cleres, P. Reul, L. McDonald and J. Trepass.

Collection of out door flowers: J. Reidenbach. Specials, Chs. Totty special, 36 blooms, A. McKenzie; J. Everett. Cottage Garden's special, carnations, W. Eccless; J. Duthie. Burnett's special, 25 blooms, A. McKenzie. Vegetables, F. Petrocchia. Lager & Hurrill special, orchids, R. Marshall. Peter Henderson & Co., 25 blooms, A. McKenzie; J. F. Johnston. W. Marshall's special, H. Gaut. Vaughan's special, F. Petrocchia. Weber and Don special, J. F. Johnston; H. Gaut. Hitching's silver cup, A. McKenzie. Lord & Burnham gold medal, roses, R. Marshall. Butler's special, J. Ingram; H. Matz. Julius Roehrs' special, orchids, R. Marshall. Stump & Walter's silver cup, Am. Beauty; V. Cleres. Mrs. Brewster's special, A. McKenzie. Glen Cove Echo, special, J. Everett. Mrs. Smith's cup, hardy chrysanthemums, G. Ashworth. J. H. Troy's cup, roses, J. Forbes. Rickards Bros' special, A. McKenzie. Mrs. Bucknal's special, J. McDonald. Mr. Underhill's special, J. Reidenbach. W. Weeks, Lorraine begonias, V. Cleres; J. Everett. Titus & Bowne special, A. McKenzie. Mr. Shottwell, J. Everett. Mr. Stapleton's special, J. T. Ingram. Bon Arbor's special, J. McDonald; J. Everett. H. F. Meyer's special, A. McKenzie; H. Matz. Mrs. H. Pratt's silver cup, fruit, J. Everett. Mrs. Byrnes' special, F. Petrocchia. H. Matz's special, J. Reidenbach. "Buds" special, P. Reul.

O. E. ADDOR, Cor. Sec.

NEW JERSEY FLORICULTURAL

The New Jersey Floricultural Society held their sixteenth annual chrysanthemum show in Lindsley Hall, Orange, on Saturday, October 29th. Lager & Hurrell had a nice collection of rare orchids on exhibition, for which they received a first-class

certificate. W. A. Manda had his grand new decorative fern, Polypodium Mandaianum on exhibition and was awarded a first-class certificate. William Reid, gardener for S. M. & A. Colgate, won the silver cup given by John R. Le Count for the best 24 cut chrysanthemums, 6 varieties, 4 flowers of each.

Certificates were awarded to Malcolm MacRorie, Max Schneider, John Hayes and Wm. Reid, for chrysanthemums and other flowers not in competition.

The regular prizes were disposed of as follows:

Max Schneider, first, for 6 chrysanthemums pink, 6 do dark pink, 25 do any one variety, 50 violets. Wm. Reid, first, for chrysanthemum plants, 6 in. pots, four varieties, and do in three varieties. Fritz Berglund, first, for 6 bronze blooms. A. F. Larson, first, for American Beauty roses, Chateaux, Brides, Bridesmaids, Carnations, collection, white Enchantress, scarlet, crimson. Wm. Reid, first, for Killarney roses, white Killarney, "any yellow." Carnation Winsor shade, Lawson shade. F. Drew, first, for rose Richmond, roses mixed. Thomas Jones, best orchid in flower.

The judges were Philip Cox and Alex. Robertson, both from Montclair.

NEW HAVEN, CONN.

The exhibition of the New Haven County Horticultural Society opened in Music Hall, New Haven, Conn., on Tuesday, Nov. 1. The hall is an excellent one for the purpose, being very spacious and affording abundant room for exhibits and visitors. The blooms in competition for the chrysanthemum prizes were of very high quality, as were also the palms, ferns, orchids, and vegetables. Roses, carnations and violets were shown in commendable quantity and quality. Among the most striking varieties in the chrysanthemum classes were Mary Donnellan yellow, Mrs. David Syme white and M. Loiseau Rousseau pink and silver. Many fine specimen plants and groups were staged, not for competition, by John Champion of New Haven and A. N. Pierson of Cromwell.

The judges were J. F. Huss of Hartford, Chas. E. Keith of Bridgeport and Wm. J. Stewart of Boston.

SAN FRANCISCO.

The exhibition at the Fairmont hotel, on October 20 and 21, was a very successful affair. It was under the auspices of the Pacific Coast and State Horticultural Societies and was well supported by the amateur and commercial interests, the attendance and enthusiasm of the society people of the city being very gratifying to the promoters. Table decorations, bridal bouquets and other floral decorative work were among the attractions in which the visitors seemed to take the greatest interest. Pelicano & Rossi were the principal winners in this department. J. Suelberger of Oakland took first on table decoration and H. Plath was invincible with a large group of ferns and hanging baskets. The professional judges were A. Schwerin, Sidney Clack and G. Walters. The decorative work was judged by a committee of society ladies.

MORRISTOWN, N. J.

The joint exhibition of the Morris County Gardeners' and Florists' Society and the Chrysanthemum Society of America was held at Morristown, N. J., on November 2, 3 and 4. The quality of the chrysanthemum flowers shown was unstintingly praised by the well-informed experts present, who pronounced them the finest ever staged in this country. The roses and carnations, always leading specialties among the Morris county growers, were superb, American Beauty particularly.

The \$100 prize for 60 chrysanthemum flowers in 20 varieties was won by Wm. Duckham. The \$40 prize for 36 in 6 varieties was won by Harry Turner, who also captured the Totty cup, for 12 blooms of R. F. Felton, C. S. A. cup for best 10 blooms, any variety, Hitchings cup for 3 vases, ten blooms each, Wells gold medal for 6 best blooms of Howard Gould, Lord & Burnham gold medal for 30 blooms, 6 varieties introductions of 1909-1910; also classes 6 to 9 for 10 flowers specified colors, Class 16 for 24 flowers in 24 varieties, the Farquhar prize for largest flower in the show and finally the \$150 sweepstake cup offered by the Morris County Gardeners' and Florists' Society.

Other big winners were James Frazer, gardener for O. H. Kahn, John Downing gardener for D. M. McAlpin and Peter Duff of Orange. C. H. Totty made a clean sweep of classes 10 to 15 for six flowers each, in specified colors, and classes 23 to 28 for commercial florists, 10 flowers of specified colors in each class and won the Wilson Plant Oil and Fertilizer Co.'s cup for 15 blooms undisseeded variety, with Lady Hillingdon.

The largest winners in the rose classes were Messrs. H. Hentz, L. A. Noe, R. M. Schultz, Madison Cut Flower Co., Edward Behre and C. H. Totty. In carnations Traendly & Schenck, Wm. Duckham, Wm. Kleinheinz and C. H. Totty, the latter winning the silver cup for 18 blooms any undisseeded variety, with White House.

The \$100 prize for group of flowering and foliage plants went to Wm. Duckham for a superb entry. John Downing was winner in several classes for group and specimen chrysanthemum plants. Peter Duff won the Vaughan cups for best specimen plant and best single stem specimen, and first for specimen yellow. These were grand examples of the gardener's art.

On vegetables Edward Jenkins came down from Lenox with an unbeatable exhibit and Walter Angus of Chapinville, Conn., was a good second. The Aphine Mfg. Co.'s special for group of orchid plants went to William Turner of Oceanic, second to Lager & Hurrell. The winners in the cut orchid class were Jos. Manda and Lager & Hurrell, first and second. Wm. Turner won the several premiums for specimen orchids, also the prizes for hot-house grapes.

The judges were Eugene and Paul Dailedouze, Alex. Montgomery, Wm. Nicholson, W. N. Craig, Louis Dupuy, Alex. Fraser and A. B. Cartledge.

WASHINGTON, D. C.

The Fourth Annual Show of the Florists' Club of Washington, declared to be the most beautiful ever seen in Washington, opened at Convention Hall, Monday, October 30. The striking feature of the exhibit is a mountain scene extending the entire length of the hall. Japan's sacred mountain, Fujiyama, is the subject represented. At its base is a Greek temple, and a Japanese pagoda and an old-fashioned windmill are attractive features. A mountain path winds through the realistic scenery, and a stream leaps down the declivities, adding to the realism. It is said that all records for attendance at flower shows in Washington are being broken.

Among the local exhibitors are: John Robertson, Gude Bros., George Field, Theodore O. Deidrich, W. W. Kimball, George C. Shaffer, George C. Cooke, Ley & Bickings, E. J. Schultz, James Carberry. From out-of-town there are displays by W. W. Evans of Hamilton, Va., Henry A. Dreer of Riverton, N. J., William H. Moon of Morrisville, Pa., S. S. Pennock-Meehan Company of Philadelphia and New York, R. Vincent, Jr., of Whitmarsh, Md., W. A. Bolinger of Bethesda, Md.

The mantel and table decorations were very effective and monopolized a large share of the attention of visitors. George C. Shaffer's table and mantel decoration was composed of yellow chrysanthemums and orchids. Mayberry & Hoover had a table and mantel decoration of single stem chrysanthemums and Whitmani ferns. Geo. H. Cooke used Farleyense fern and the new yellow rose, Irish Melody, arranged in log vases.

W. W. Kimmel's exhibit consisted of pompon chrysanthemums arranged in metallic window boxes with boxwood and ferns. Ley & Bickings of Anacostia showed 21 varieties of nephrolepis. W. A. Bolinger of Bethesda, Md., had an exhibit of cut pompon chrysanthemums. Samuel C. Moon & Co., of Morrisville, Pa., had a fine exhibit of hardy evergreens.

Gude Bros. of 1214 F street have their usual beautiful exhibit of roses and chrysanthemums. Their two tables are banked with fine ferns and palms. J. M. Hammer & Sons are exhibiting over 300 pot-grown begonias collected by E. A. Moseley, secretary of the Inter-State Commerce Commission while in Europe. G. Edward Schultz has a fine exhibit of bulbs and English grass seed most beautifully arranged. Geo. Field has his usual superb collection of orchids, embracing cypripediums, oncidiums, cattleyas, etc. Henry A. Dreer shows a collection of kentias, bay trees and specimen plants of Adiantum Farleyense. The Botanical Garden has a fine display and a splendid educational exhibit has been staged by R. Vincent, Jr. & Sons of Whitmarsh, Md.

RED BANK, N. J.

The 13th annual exhibition of the Monmouth County (N. J.) Horticultural Society was held at Red Bank on October 26 and 27. The active members of this Society are largely the gardeners on the large private estates which abound in that section and the exhibition which they put up

is always a good one. Chrysanthemums in plants and cut flowers, decorative foliage plants and ferns were shown in profusion and of high quality. W. W. Kennedy & Sons, florists, were represented by a large display of jardinières and fern dishes. Among the principal prize winners were William Dowlen, Wm. Turner, N. Butterback, J. Frazer, James Kennedy, Peter Murray, Geo. Hale and F. Logan.

LENOX, MASS.

The exhibition last week at Lenox, Mass., was a pronounced success, the exhibits again demonstrating the high cultural attainments of the expert gardeners who preside over the horticultural features of the fine private estates which abound in this beautiful section of picturesque New England.

The plant groups were superb. The Dreer Cup offered in this class was won by Fred Heremans. It must be won twice before being finally acquired. The winning group consisted of crotons, Lorraine begonias, longiflorum lilies, lily of the valley and promiscuous decorative greenhouse plants. In the great orchid group A. J. Loveless won the first prize and the Roehrs' special.

In chrysanthemums the flowers shown were invincible. The C. S. A. silver cup for 10 blooms, any variety, was captured by A. J. Loveless with Rose Pocket. Second went to S. Carlquist for Mrs. Norman Davis.

The vegetable exhibits at Lenox are always recognized as the best in this country and this year is no exception. The Jacques cup was won by Edwin Jenkins and the Foulsham cup was won by S. Carlquist. Roses, carnations, violets and fruit were all profusely displayed.

Among the trade exhibits from outside were a splendid collection of orchids from Julius Roehrs Co., Rutherford, N. J., and Nephrolepis exaltata superba from H. A. Dreer, Philadelphia.

The judges were Walter Angus of Chapinville, Conn., Howard Nichols of Yonkers, N. Y., W. F. Burton of Bar Harbor, Me., and Richard Gardner, Newport, R. I.

ORCHID NOVELTIES IN A LONDON SHOW.

At the exhibition of the Royal Horticultural Society on October 11, a first-class certificate was awarded to E. V. Low, Haywards Heath, for Cypripedium King George V, a fine flower, of which the dorsal sepal is flat, circular, and white at the edge, green at the base, with lines of a dark color changing to pink at the upper part. The brownish petals and the pouch are tinged with purple; the former drooping and purple spotted on the lower half. Sir G. L. Holford received an award of merit for Laelio-cattleya Golden Oriole superba—a gorgeously colored flower having bright yellow petals and sepals, and a conspicuous labellum that has an edging $\frac{1}{4}$ of an inch in width and a mid-area of orange color traversed with thin lines of crimson running up and into the tube. The same exhibitor also received an award of merit for Laelio-cattleya Ortrude magnifica (L. anceps \times C. Dowiana aurea), a flower having creamy

white petals and sepals, tinged and veined with purplish rose. The lip claret colored, with indistinct yellow veins.

Charlesworth & Co. showed Cattleya Basil (C. Enid \times C. Mautinii). The sepals and petals are of a rosy purple color; the lip of ruby crimson. An award of merit was awarded this curious multiple hybrid.

Mr. J. Gurney Fowler, Glebelands, South Woodford, received an award of merit for Catasetum fimbriatum aureum. The flowers are pale green, faintly tinged with rose, the lip fringed, and of a golden yellow color in the middle.

FREDERICK MOORE.

HORTICULTURAL SOCIETY OF NEW YORK.

The Fall Exhibition of this Society will take place on November 9th to 13th at the American Museum of Natural History. Indications are for a large and interesting exhibition. Those who have exhibited here before know of the exceptional advantages offered at this institution for the display of exhibits, and of the ample space which can be allotted to each exhibitor. To those who contemplate exhibiting for the first time, it may be said that in this great building there is an abundance of room for all to make as large and effective an exhibit as they may desire. The floors are of stone, the ceilings high, the ventilation good, and the light, both day and night, excellent, all explaining the wonderful keeping qualities of the flowers noted by all visiting these exhibitions in the past. Each specimen can be given plenty of room, so that its beauties may be shown to the best advantage. Nothing destroys the beauty and artistic appearance of a fine specimen so much as crowding, trying to force a lot of material into small and cramped quarters. To appreciate the beauty of a specimen its individuality must appear. Then, too, the external surroundings of the American Museum, its location in one of the finest residential sections of the city, and its ease of access by numerous transit lines, appeal to all who have visited this Museum, one of the largest and finest devoted to natural history in the world.

Not only are the facilities for the display of flowers and plants unsurpassed, but the opportunity offered for decorative display is excellent. The alcoves opening from the main aisles present attractive inducements for such efforts. It is hoped that those interested in this important feature of floral display will take advantage of this opportunity to show what can be done. Such exhibits would be seen by many people who appreciate fully this sort of decoration, and are amply able to make use of it in their homes.

Schedules and entry blanks will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. As the secretary has more than he can properly attend to immediately before the opening of the exhibition, it is earnestly requested that all who intend to exhibit will send in their entries at as early a moment as possible, so that all the work will not come upon him at once.

CHRYSANTHEMUM SOCIETY OF AMERICA

The annual meeting of this Society was held at Morristown, N. J., on November 2. Officers for 1911 were selected as follows: President, Elmer D. Smith; vice-president, Chas. H. Totty; secretary, C. W. Johnson; treasurer, John N. May. St. Louis was selected as the place for the meeting in 1911. A contribution of \$25.00 was voted for the Calvat memorial fund. The meeting was the best attended and most enthusiastic in the history of the C. S. A.

Address of President Elmer D. Smith.

Members of the Chrysanthemum Society of America.—Another year has passed and we are again assembled to consider ways and means for the betterment of our Society. The membership is far too small when we consider the vast number interested in the Queen of Autumn. The desire to gain knowledge is apparent from the many inquiries showered upon those conversant with such topics, and yet we seem unable to bring these inquiries within our fold. We should have five hundred more enrolled as members of good standing. Will some one please suggest a plan to bring about this end. No florist who grows any quantity of chrysanthemums can afford to remain aloof. He owes this obligation to himself for the practical knowledge that may be gained. At New York last year I suggested that we consider the affiliation of this Society with the Society of American Florists and Ornamental Horticulturists. I still believe it is our best course to take. We certainly have nothing to lose, with the possibility of much to gain. I hope that at this meeting the subject will be thoroughly discussed. One change in the scale for judging exhibition blooms has been proposed, reducing the number of points allotted to size and adding same to color. If such a course meets your approval, it should be remembered that size is quite an important factor in considering varieties which are suited for this purpose and especially so if color or long necks prevent them from being considered from a commercial standpoint.

If I were permitted to express my views I would say color is of equal importance to fullness, form and depth, even from an exhibition point of view. Should you decide to make them equal the new scale would then be: Color, 15; Foliage, 5; Fullness, 15; Form, 15; Depth, 15; Stem, 5; Size, 30. The fine specimens displayed in the exhibition hall are positive proof there has been no retrogression and it affords me great pleasure to know our course is upward and onward. Some ten years ago a worthy gentleman at one of the western shows, in responding to his toast, stated that the limit in size had been reached and it was folly to try to produce larger ones. I will leave it to you to decide the truth of this statement by bringing to mind those shown at that time in comparison with those before you today. As in the past there are still many possibilities—soil that is still unturned—and so it behooves us

to keep our eyes to the front and strive for greater achievement.

This has been a very trying season in the development of chrysanthemums. In the middle west we had ten days in early March with the thermometer around the 80 mark and a cold April and May. Through June, July and August the weather was warm and air very dry with practically no precipitation during these months. October, the month for finishing, has been extremely warm for the buds to expand freely and many cases of burning have resulted therefrom. As near as I can learn these conditions have prevailed to a certain degree throughout the country so that many have suffered, losing fine blooms. Hope is the anchor of the soul and so we must wish for better conditions another year.

Since our last meeting one of the world's most prominent originators has passed to the great beyond—M. Ernst Calvat, of Grenoble, France. His products have been very popular both in England and America. While



PRESIDENT ELMER D. SMITH

most novelties are soon cast aside and later products take their places, yet there are several originated by this worthy raiser which have gladdened the hearts of all exhibitors and are today among the best for this purpose. I refer to such varieties as M. Loiseau-Rousseau, President Vigier, Mme. Carnot, S. A. Naceur-Bey, Chrysanthemiste Montigny and President Loubet.

Before adjournment we should decide on the next meeting place and I would suggest that our vice-president be selected from the same city or immediate vicinity. I wish to thank the press who have so kindly printed our notices and the members of the committees who have given their time regardless of other duties to be on hand to examine seedlings. I am assured these gentlemen are benefactors not only to this Society, but to the growers at large in pointing out such of the new creations as are best adapted to the various purposes.

In leaving the president's chair I have but one wish and that is this Society may grow to be stronger in every particular so that its influence

for good will be felt far and near. Thanking you for the many courtesies extended and wishing you one and all success I bid you adieu.

Work of Committees.

Chicago, Ill., Oct. 22.—No. 64-09, color pink, exhibited by Roepke & Rieman Co., Indianapolis, Ind. Color 15, form 10, fullness 7, stem 13, foliage 12, substance 10, size 7; total 74 points.

Chicago, Ill., Oct. 22.—No. 3-09, Ref. Jap., color white, exhibited by Roepke & Rieman Co. Color 18, form 10, fullness 7, stem 12, foliage 14, substance 10, size 7; total 78 points.

Cincinnati, O., Oct. 22.—No. 14-09, Inc. Jap., color magenta-pink, exhibited by Roepke & Rieman Co. Color 13, form 12, fullness 8, stem 12, foliage 13, substance 13, size 6; total 77 points.

Boston, Mass.—Chrysolora. Inc. Jap., color yellow, exhibited by Elmer D. Smith & Co. For commercial purposes: Color 18, form 14, fullness 9, stem 15, foliage 12, substance 14, size 8; total 90 points. For exhibition purposes: Color 9, stem 5, foliage 4, fullness 13, form 13, depth 12, size 28; total 84 points.

Cincinnati, O., Oct. 22.—No. 3-09, Jap Ref., color white, exhibited by Roepke & Rieman Co. Color 17, form 11, fullness 7, stem 13, foliage 13, substance 8, size 6; total 75 points.

New York, N. Y., Oct. 22.—F. E. Nash, Jap., color blush, exhibited by A. J. Loveless, Lenox, Mass. For exhibition purposes, color 7, stem 4, foliage 4, fullness 14, form 13, depth 13, size 30; total 85 points.

Chicago, Ill., Oct. 22.—Chrysolora, Inc. Jap., color yellow, exhibited by Elmer D. Smith & Co. Color 18, form 14, fullness 10, stem 15, foliage 13, substance 14, size 9; total 93 points.

Philadelphia, Pa., Oct. 24.—Chrysolora, Inc. Jap., color yellow, exhibited by Elmer D. Smith & Co. For commercial purposes: Color 18, form 14, fullness 9, stem 13, foliage 12, substance 14, size 9; total 89 points. For exhibition purposes: Color 8, stem 4, foliage 3, fullness 14, form 14, depth 14, size 31; total 88 points.

Chicago, Ill., Oct. 22.—Paper White, Inc. Jap., color white, exhibited by Elmer D. Smith & Co. Color 18, form 14, fullness 9, stem 15, foliage 13, substance 14, size 8; total 91 points.

A YELLOW BRIDESMAID.

W. G. Badgley of Chatham, N. J., has a yellow sport from Bridesmaid rose. The color is a strong creamy yellow and the outer petals are usually flushed with pink, making a very pretty combination. Mr. Badgley is increasing the stock and the new rose will be heard from in the near future at the exhibitions.

PERSONAL.

Visitors in Boston: George C. Watson, Philadelphia, Pa.; W. C. Langbridge, Cambridge, N. Y.; Ed. Roehrs, Rutherford, N. J.; Winfried Rolker, New York City.

New York visitor: J. F. Sullivan, Detroit, Mich.

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

Hyacinths Tulips Narcissi

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer: As an inducement to secure orders for a general line of bulbs we quote: Hyacinths Unnamed Single, any color, \$2.10 per C., \$19.50 per M.

To secure these prices mention this paper

Send us an order for other varieties.

See our AD in Oct. 15 issue.

IF YOU WANT THE BEST QUALITY, OUR PRICES ARE LOW.

James Vick's Sons, Rochester, N. Y.

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

The meeting on Tuesday evening was a very interesting one. The exhibits consisted of two vases of carnations from H. M. Weiss, Hatboro, Pa., "Mrs. C. W. Ward and an unnamed white," both well done and showing good culture. The American Rose and Plant Co., Springfield, Ohio, showed a new Boston fern, *Nephrolepis Roosevelt*, fronds very similar to the Wm. K. Harris variety, but with a better spread; evidently a good thing. The surprise of the evening was when Robert Craig arose, and on behalf of Mrs. Wm. K. Harris, presented to the Club the portrait of the late Wm. K. Harris. Robert Craig was at his best, and made a splendid address of eulogy on his old friend, telling of his life and his work, how he first became a specialist 35 years ago in growing geraniums, and of the interest he took in his business, and anything pertaining to it. Robert Craig concluded by saying: "It is a pleasure to speak of a man of such sterling integrity, a man whose advice was sought by all, and always freely given, and it is a pleasure to present to the Club this portrait, as we cannot have the original with us again, to always remind us of one whose interest in the Club never ceased from the time he became a charter member in 1885 up unto his death."

The essayist of the evening was Thomas B. Meehan, his subject, "The Proper Method of Pruning." His remarks were illustrated with specimens with which he demonstrated pruning

methods by thinning out the branches, and—if shortening was required—to cut back to a small shoot rather than to cut off straight across; to prune spring flowering shrubs, after they had done flowering in spring; to prune hydrangeas, altheas or other shrubs that flowered in late summer, at the close of winter; always in all pruning to cut out the old wood; in pruning evergreens cut to get the best results as to shape, never cutting back more than two years' growth; prune evergreens in spring.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, November 15, at 8 o'clock. The speaker of the evening will be Mr. Michael Barrett on the subject, "Bees As an Aid in Horticulture." There will be quite an interesting display of late chrysanthemums and other seasonable flowers. At the meeting the annual nominations of officers for 1911 will be made, and it is hoped there will be a large attendance of members.

W. N. CRAIG, Secretary.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Coleus, "Fanny Ross," by the J. W. Ross Company, Centralia, Ill., becomes complete.

H. B. DORNER, Secretary.

October 27, 1910.

During Recess

NEW YORK BOWLERS.

On Friday evening, October 28, scores were recorded as follows. Average for four games:—

Chadwick	.....170	Berry	.....132
Manda	.....166	Smith	.....130
Irwin	.....164	Scott	.....118
Traendly	.....146	Sullivan	.....117
Shaw	.....140	McArdle	.....97

The Irwin prize for high score was won by Jos. Manda. Next week's prize offered by P. J. Smith is a satchel for the best head-pin score, 12 frames. The following week Herman Warendorff offers a Gillette razor for the best average in three games.

CHICAGO BOWLERS.

The Chicago Bowling Club will give a dance on Friday evening, Nov. 11th, and a good time is anticipated. Expenses will be defrayed by a charge of one dollar per couple for Chicago people and guests from other cities will be welcomed free.

CHICAGO WHOLESALE EMPLOYEES.

The Wholesale Employees gave a ball on Oct. 25th at Columbia Hall which was a success from every standpoint. These are annual affairs and to miss one is to miss a good time.

FIRE RECORD.

Loomis, Calif.—The office and dwelling on the property of the California Carnation Co. was completely destroyed by fire recently and the greenhouses damaged.

Indian Orchard, Mass.—The greenhouse of Mrs. Isabella Lindsey was slightly damaged by fire recently.

THE HOME OF THE SCOTTII FERN.

The greenhouses of the late John Scott at Brooklyn, N. Y., are looking very prosperous under the careful management of Mr. McKenzie. It is worth noting that considerably more than one-half the entire area is devoted to Scottii ferns, of which there is a tremendous stock in all sizes up to very large and noble specimen plants. The regular demand will quickly reduce the stock now ready for the market. Mr. McKenzie states that the call for this fern has been most of the time since Mr. Scott's introduction of it, much in excess of the capacity of the establishment and that if the whole place had been given over to it to the exclusion of all other stock it would have been a most profitable investment.

A tasselled form of *Nephrolepis davallioides* furcans of very compact and shapely habit is regarded with interest and if it retains its peculiar characteristics under propagation it is looked upon as a promising novelty.

There is a big stock of poinsettias here from little pan dwarfs up to four-foot stem specimens for cutting. Among the old favorites in the specialties grown for many years in this place are cyclamens and *Dracaena terminalis*, both of which are in great form for Christmas sales. There are gardenias, ericas, oranges, and palms in abundance and a house of *Pandanus Veitchii* most pleasing to contemplate. Azaleas have been arriving for some time and just now potting is going on. They have traveled in splendid condition this year and are a credit to the shippers. Mardner and Petrick are just in right shape for the Christmas demand. Some rebuilding and improving has been done this year and a host of friends of the late proprietor will be glad to learn that the establishment is being held up to the high commercial standard in which he left it.

CINCINNATI PERSONALS.

Mrs. Henry Schwarz left November 1st to visit her brother at Birmingham, Ala.

B. J. Glins has accepted a position with Julius Baer and will have charge of his conservatory.

The Bowling Club will meet Monday, November 7, at Finke & Craig's alleys. All ye bowlers please attend.

Visitors in Cincinnati: Wm. Gardner, New Castle, Ind.; Robt. F. Groves, Adams, Mass.; J. T. Herdegen, Aurora, Ind.; Sam. Seligman of Wertheimer Bros., New York.; Victor H. Thomas, Augusta, Ky.

NEWS NOTES.

Marine City, Mich.—A. W. Rodder has purchased the business of W. M. Streit.

Superior, Wis.—Andrew Murphy has purchased the business of Mrs. L. D. White.

Union City, Conn.—H. L. Hamilton has purchased the greenhouses of H. G. Dennison.

Lake City, Iowa.—The greenhouse stock of Mrs. Fuller has been purchased by Mrs. J. H. Titus.

Bethlehem, Pa.—A. Weiskopp has discontinued his flower store and will now devote his energies to his greenhouse on Garrison street.

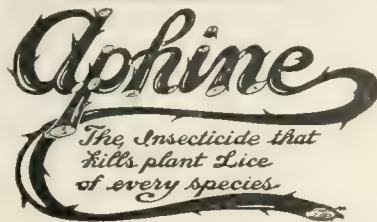
OBITUARY.

David Pearce Penhallow.

David Pearce Penhallow, Professor of Botany at McGill University, Montreal, since 1883, died October 26th on the steamer Lake Manitoba on the way from Montreal to Liverpool. Professor Penhallow was born at Kittery Point, Me., May 25, 1854, and has written extensively on the science of botany to which he devoted his entire life.

William Kolberg.

Wm. Kolberg an old-time florist and well known to the wholesale trade of Chicago, died at his home in Desplaines, Ill., Oct. 29th, after a long illness. Mr. Kolberg was the pioneer chrysanthemum grower of Desplaines. He sold his greenhouses there to H. C. Blewitt thirteen years ago, and took up farming in Wisconsin where he remained till two years ago. He leaves a wife and one daughter.



1911 CATALOGUES

Will not be complete without the listing of Aphine.

SEEDSMEN

Should investigate the merits of this insecticide. It is the best on the market today for both general greenhouse and outdoor requirements.

JOBBER'S PRICES

Will be furnished to the trade on application.

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MACRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

If your business demands a good article in lily bulbs you cannot do better than to buy **Horseshoe Brand** bulbs. They are produced by the best growers in Japan, and are positively the cream of the crop. Selected carefully, graded and packed by experienced Japanese, registered and sent to this market for those who are particular what kind they buy. Our prices for November are as follows:

FORMOSAS

Inch		Per case of 400 bulbs
6 x 8	\$20.00	280 "
7 x 9	21.00	240 "
8 x 10	21.60	200 "
9 x 10	21.00	

MULTIFLORUM

7 x 9	\$16.50	300 bulbs
8 x 10	16.25	250 "
9 x 10	17.00	200 "

GIGANTEUM

6 x 8	\$20.00	400 bulbs
7 x 8	22.75	350 "
7 x 9	22.50	300 "
8 x 10	25.00	250 "
9 x 10	22.00	200 "
9 x 11	21.60	180 "

f.o.b. New York, Cincinnati or Chicago. You may have 5 per cent. for cash with order during November only. Order now for delivery from Cold Storage during 1911.

A Catalog Free



Ralph M. Ward & Co

12 West Broadway
NEW YORK

Not How Cheap
But How Good

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Priniceps, extra large double-nosed bulbs, \$9.50 per 1,000.

Double Von Sion, first sized bulbs, \$9.00 per 1,000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Paper White Grandiflora, 13 c/m and up, \$9.00 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

	Per 1000		Per 1000
Chrysolora	\$7.00	Couronne d'Or	\$14.00
La Reine	8.00	Prince of Austria	12.00
Prince of Austria	12.00	Rose Luisante	14.50
Rose Griselina	8.50	Vermillion Brilliant	18.50
Thomas Moore	8.00	Single Finest Mixed	
Keizerskroon	10.50	all colors, for bed-	
Mon Tresor	11.50	dling	7.50

Murillo, the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.

Salvator Rosa, \$14.00 per 1,000.

Gesneriana Spathulata, the true gesneriana, the finest of all late tulips, \$9.50 per 1,000.

Double, finest mixed, all colors for bedding, \$8.50 per 1,000.

HYACINTHS

Our stock of these will be found exceptionally fine. **Fine Named**, our selection, best sorts (For list of varieties, see wholesale list), \$4.00 per 100, \$35.00 per 1,000.

Separate Colors, single, pink, white and blue, \$20.00 per 1,000.

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.

White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips, \$8.00; case containing 1,000 pips, \$16.00.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Multiflorum, case 300 bulbs, \$13.50.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1 1/4 inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Gladiolus America, the finest of all gladioli for forcing, \$35.00 per 1,000.

Crocus, finest named varieties, \$5.00 per 1,000.

Spirea, in case lots of 100 bulbs—Gladstone, \$9.50 per case; **Japonica**, \$4.50 per case; **Compacta Multiflora**, \$5.50 per case.

For other Bulb Stock, see our complete wholesale bulb list, free on application

F. R. PIERSON CO.,

TARRYTOWN, N. Y.

Flower Market Reports.

CINCINNATI There has been no marked change in the condition of the mar-

ket the past week. The wholesale houses were all pretty well stocked up and sales were usually made at buyers' prices. Chrysanthemums continue to completely dominate the market. Major Bonaffon is the only good yellow offered at present and price holds very firm for good blooms of this variety. Virginia Poehlmann, Ivory and Tousey are the best sellers in white, Shaw being about the only variety offered in pink. Pompon varieties are only received in limited quantities and move briskly. The receipts of Beauties were more than sufficient, the demand being very light. In other roses select Killarney, Taft, My Maryland and Bridesmaid clean up nicely, while all white sorts continue to accumulate. Carnations are, if anything, less abundant than a week ago, with prices slightly firmer. Lily of the valley and violets sell fairly well. Lilium longiflorum are in over-supply. Green goods in good supply and demand. Business for All Saints' day, while not quite up to expectations, certainly helped clean up the accumulations of the market at some prices or other. On Friday, October 28th, we had the first killing frost of the season. Monday, October 31st, business assumed a different tone, the market being more active than at any time during the past two weeks.

WASHINGTON The fall season is now upon us in earnest and with its advent all business has taken on a

healthier tone. All outside crops are done for unless it be a few dahlias in more sheltered places. Some fine carnations are being shown now, and sweet peas and violets are coming in in limited quantities.

(Continued on page 645)

NEWS NOTES.

Nowata, Okla.—Cass Lanning has sold his greenhouse and buildings to F. M. Treat.

Grand Island, Neb.—Robert Felby has been engaged as foreman for Williams the florist.

Hot Springs, Ark.—The Johnson Floral Co. has purchased the business of Mrs. Mattie Byrne.

North Scituate, Mass.—Rumor has it that the greenhouses of Mrs. E. S. Bowen have been sold.

Springfield, N. J.—J. Neil Jakobsen is now manager for Henshaw Bros.

Victoria, B. C.—The Woodward Greenhouses are now in charge of Fred Bennett, formerly of Montreal.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

Do You Want to Sell Those Plants?

We are largest buyers of Plants and Flowers in New York. Call or write with samples and prices.

BLOOMINGDALE BROS.

59th St., New York City

C. C. TREPEL

Smith's Chrysanthemum Manual

40c. Prepaid.

ELMER D. SMITH & CO.
Adrian, Mich.

HOLLY FERNS

Pteris Wilsoni, Victoriae, Wimssetti cretica, Aspidium tsussemense, etc.

Fine, bushy plants, 2 in. pots, in assortment, packed to reach you in perfect condition, \$3.00 per hundred. Cash or satisfactory references please.

R. G. HANFORD, - - - Norwalk, Conn.

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.....	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00	
Delachei. Amaranth red.....	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegai. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers.....	1.50	10.00	90.00
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur centre	1.50	10.00	90.00
Humei. Rosy carmine; fine large flower; late	1.25	8.00	75.00
Humei Rosea. Deep rose.....	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Mme. Crousse. Cream guard; bluish-white centre; tinted violet.....	3.50	25.00	
Paganini. Light solferino-red with lighter centre	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy white	1.50	10.00	90.00
Queen Victoria. A good early white....	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.....	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Victoire Modeste. Blush rose and white....	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow	1.50	10.00	90.00
Whitley. An old-time favorite white cut flower variety.....	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	60.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Price list on application.

20,000 fine Asparagus plumosus nanus at \$4.00 per 100

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2890 Bedford **BROOKLYN, N.Y.**

In ordering goods please add 1 "saw it in HORTICULTURE."

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Seed Trade

Orient, Ia.—Sumner White is building a large seed house.

S. F. Willard, of Wethersfield, Conn., was in Chicago this week.

Dallas, Tex.—A seed, fruit and vegetable brokerage house has been opened here by W. D. Garlington, formerly of Fort Worth, Tex.

The lily of the valley crop is not turning out as good as was expected. The pips have suffered quite badly from soaking caused by the excessive rains of the past season.

We saw some fine giganteum lily bulbs the other day at the "Buds" seed store, New York. Contrary to the experience of many dealers, "Buds" received his full shipment. The demand is bigger than the supply this year and no surplus is in sight anywhere.

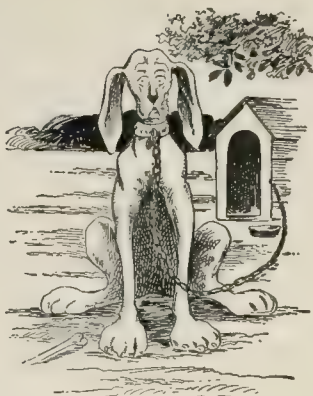
In our notes on seed crops last week we mentioned the fact that French Self-Blanching Celery had been quoted as high as \$7.00 a pound. We are now informed that the Vilmorin stock of this variety is being held at \$1.00 per ounce. How's that for a record?

Conrad Appel, the Darmstadt Seedsman, has participated at the "World's Fair, Brussels, 1910," this year. A beautiful show case, containing natural grass, clover and agricultural seeds, grass seed mixtures, forest tree seeds and a fine collection of conifer cones attracted many visitors. At the Industrial Exhibition, Allenstein (East Prussia), 1910, he was awarded the highest prize, a "Gr. silver medal" with diploma.

A gentleman prominent in the seed business writes us as follows: "You may imagine that just now I am having anything but a pleasant time in closing up our catalog for 1911. It is almost impossible to decide upon the proper prices. We cannot make garden peas too high or they could not be used by market gardeners, and yet we cannot supply, at any price, anything like the quantity that will be required. Surely you are to be envied in not having these troubles!" (Maybe we are, but— Ed.)

Henry Nungesser & Co.'s "Blue List" of wholesale prices of grass and clover seeds, under date of October 25, has been received. It shows nearly all crops to be short this season and prices are higher all along the line, due in the main to short crops, but in part also to the demand for better qualities and to more or less speculation. The first page of the circular is devoted to some very timely and interesting information regarding qualities, testing, cleaning, deliveries, misbranding, pure seed laws, etc. The quotations cover American grass and clover seeds, lawn grass, golf link mixtures, pasture mixtures, imported and natural grass, clover and field seeds.

Batavia, Ill.—The capital stock of the Batavia Greenhouse Co. has been increased from \$8,000 to \$12,000.



No doubt you have been

Watching For a Change

It has arrived. Will allow a 10% discount on the following list for cash.

CALLAS, 1½ in.-2 in.....	100	1000
OXALIS, Buttercup	1.00	\$8.00
LILUM Auratum, 8-9	7.00	
Giganteum, 7-9	7.00	
Candidum, 22 cm.....	5.00	
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
FREESIAs, Selected .....	.75	6.50
Mammoth	1.25	9.00
TULIPS, Artus, scarlet.....	1.00	9.00
Chrysolora, yellow .....	.75	6.50
Cottage Maid, rose and white.....	1.00	8.50
Keizerskroon, red and yellow.....	1.25	10.50
Queen Victoria, white.....	.80	7.50
Yellow Prince, golden yellow.....	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS.....	2.00	
DUTCH HYACINTHS, Single in colors	2.25	20.00
Double in colors.....	2.35	21.00
DUTCH ROMAN HYACINTHS.....	1.60	14.00
NARCISSUS, Paper White Grandiflora	1.25	9.00
Von Sion, Single, golden yellow.....	1.00	9.00
Von Sion, Mammoth Double Nose	2.25	18.50
Double Roman	1.15	9.00

WM. ELLIOTT & SONS

42 Vesey Street, New York

CATALOGUES RECEIVED.

Basil Perry, Cool Spring, Dela.—Descriptive List of Strawberries, 1910.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offer of Novelties for 1911.

Chase Nursery Company, Huntsville, Ala.—Wholesale Price List for Fall, 1910.

Rockmont Nursery, Boulder, Colo.—Autumn Catalogue, 1910; bulbs and roots for fall planting.

Andorra Nurseries, Chestnut Hill, Pa.—Price List of Specimen Trees, Shrubs, Roses and Fruit.

V. Lemoine & Fils, Nancy, France.—1910 Catalogue of Novelties and Standard Plants, Hardy and Tender.

Frederic J. Rea, Norwood, Mass.—Phlox, Peonies, Iris and Hardy Flowers for Old-Fashioned Gardens.

Munson Nurseries, Dennison, Texas.—Catalogue of small fruits, etc. Cover page shows a fine portrait of "Captive" grape.

Wild Bros., Saxcoie, Mo.—Fruits, Trees and Flowers for Fall, 1910, and Condensed Descriptive Catalogue of Peonies, Iris, etc.

Ohio Nursery and Supply Co., Elyria, Ohio.—Wholesale Price List of Fruit and Ornamental Trees, Shrubs and Hedge Plants, 1910-1911.

Burnett Brothers, New York City.—Fall Bulb Catalogue, 1910. Covers in sepia tint, showing tulips on lawn and lily of the valley forced in pan.

H. J. Weber & Sons' Nursery Co., Nursery, Mo.—General Catalogue and Price List, Fall 1910 and Spring 1911. Illustrated with half-tones and planting plans.

NEWS NOTES.

West Newbury, Mass.—Charles F. Newell is putting up a plant house, 25 x 100, iron frame, cement walls, walks and benches, of most approved construction. Mr. Newell has about 70 acres devoted to trees, shrubs and hardy plants. We recently had the pleasure of interviewing a box of Gravensteins and King Tompkins apples grown on Mr. Newell's place. Their fragrance permeated the entire building, and no western apple that we have ever seen could compare for a moment in quality with this richly perfumed product of a Massachusetts farm.

CALIFORNIA PRIVET

1 Year Old,
20 to 24 Inches High,
Well Branched.

Ready for Delivery.

Per 100..... \$1.75
Per 1000..... \$15.00

CAN YOU BEAT IT?

HENRY F. MICHELL CO.

518 Market St.

Philadelphia, Pa.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep Crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright Red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, Claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.

G. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

X. L. ALL

English formula for spraying vegetation of a tender nature.

Qt. \$1.00 1-2 Gal. \$1.75 Gal. \$3.50

WM. ELLIOTT & SONS,
42 Vesey St., New York.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA

S. D. WOODRUFF & SONS

Seed Growers

Dealers in Garden, Field and Flower Seeds.
CATALOGUE AND SPECIAL QUOTATIONS.

82 and 84 Dey St., NEW YORK

ORANGE, CONN Warehouse, QUEENS, L. I. Tel. N. Y., 7573 Cortlandt

QUALITY SEEDS
BULBS
PLANTS
SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
342 West 14th St., New York.

REAL BARAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.64	Red Bird Millet, \$2.50
Ger. Bird Rape, \$3.50	Per Bush.
	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers
BALTIMORE, Md., Established for 92 Years.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

VEGETABLE PLANTS

CABBAGE—Wakefield and Succession. 20c. \$1.00

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball. 20c. 1.00

PARSLEY—30c. 1.25

R. VINCENT, JR., & SONS CO.

White Marsh, Md.

FOR THE NATIONAL FLOWER SHOW

or any other event where special grade is wanted

We Have a Line

of about 25 varieties of the best **FORCING HYACINTHS**, mammoth bulbs, specially selected.

New Crop Sweet Peas

All the the new and desirable forcing varieties, Spencer and Grandiflora types.

Send for Catalogue. You'll find it useful.

"BUDS"

76 Barclay St., New York

ESTABLISHED 1820

Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

Lilium Formosum, 6-8,
350 in case @ \$3.00 per 100

Lilium Formosum, 7-9,
250 in case @ 5.50 per 100

Also **Lilium Harrisii**, all sizes—

Send for prices per 1000
Paper White Grandiflorus Narcissus, 13 cm and up @ \$7.50 per case of 1000 bulbs. A few cases left.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

White French Romans
12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 980. Aldine 881, Aldine 882.

SAMUEL MURRAY Kansas City, Mo. 913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

THE DOYLE FAILURE.

At a meeting of the creditors of William E. Doyle, florist, October 29, in the committee room of the Old South Building, Boston, announcement was made that the liabilities would reach \$57,000. There are \$33,000 of secured claims and the unsecured indebtedness amounts to \$24,000. The assets are of uncertain value. The book accounts have a face value of \$4600, and there is the stock in trade at the two stores, 306 Boylston and 6 Beacon streets and horses and wagons.

Several of the creditors signed as-

STEAMER DEPARTURES

Atlantic Transport.

Minneapolis, N. Y.-London, Nov. 5
Mesaba, N. Y.-London, Nov. 12

Cunard.

Mauretania, N. Y.-Liverpool, Nov. 9

French.

La Touraine, N. Y.-Havre, Nov. 10

Hamburg American.

K. A. Victoria, N. Y.-Hamb'g, Nov. 5
Pennsylvania, N. Y.-Hamb'g, Nov. 12

Holland-American.

N. Amsterdam, N. Y.-Rot'terd'm, Nov. 8
Noordam, N. Y.-Rot'terd'm, Nov. 15

North German Lloyd.

P. Irene, N. Y.-Mediterran'n, Nov. 5
K. W. D. Grosse, N. Y.-Bremen, Nov. 8
G. Kurfuere, N. Y.-Bremen, Nov. 10
Koenigin Luise, N. Y.-Med'n, Nov. 12
K. Cecille, N. Y.-Bremen, Nov. 15

Red Star.

Lapland, N. Y.-Antwerp, Nov. 9

White Star.

Celtic, N. Y.-Liverpool, Nov. 5
Majestic, N. Y.-Southampton, Nov. 9
Cedric, N. Y.-Liverpool, Nov. 12
Romanic, Boston-Mediterran'n, Nov. 12
Zeeland, Boston-Liverpool, Nov. 15

sents to John J. Cassidy, employee of Mr. Doyle, serving as assignee. The following named were appointed a committee to look into the affairs of Mr. Doyle: J. McFarland, chairman; Harry M. Robinson, William H. Elliott, Patrick Donohue and Patrick Welch. The committee agreed to report next Wednesday morning and the meeting was adjourned to that time at the same place.

NEW FLOWER STORES.

Lockport, N. Y.—Chas. L. Dole, 88 Main street.

Seattle, Wash.—Miss Lulu Risdon, Savoy Hotel Bldg.

Battle Creek, Mich.—C. C. Warburton, 52 East Main street.

Washington, D. C.—Hardy & Fillis, 14th and I streets, N. W.

Reed & Keller, New York City, have a specialty in birch bark jardinières, oval, nested, six graded sizes, at the low price of \$1.00 for the nest of six. They are a bargain.

INTERNATIONAL FLORAL ASSOCIATION Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1554-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardaplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

The Flower Show.

Details for the Chicago Flower Show are rapidly nearing completion and when Nov. 8th comes the big Coliseum will be once more a thing of beauty. The plan of the floor is very attractive and the use to which the flower will be put after the judging will add to the general appearance. The Board at a recent meeting reversed their former action regarding the price of admission for Saturday which had been made 50 cents and will instead sell tickets at a uniform price of 75 cents throughout the show. A special meeting of the Chicago Florists' Club will be held this week to make the final arrangements.

Among the Retailers.

The street carnivals or—more correctly—trade exhibits continue in various parts of the city and are doing much good as advertising mediums.

The coming of Sarah Bernhardt and the opening of the Grand Opera season have made quite a stir in the

florists' world. The greatest living actress was met at the station Sunday and presented with a huge bunch of Beauties to which was attached a cluster of fifty orchids.

Among the out-of-the-ordinary designs seen this week was a standing bunch of American Beauties, used as a centre piece for eight large cycas leaves, supported on an easel. The two lower leaves hid the legs of the easel and the whole made a circular background five feet in circumference. The effect was very good and the idea was original with Harry Rowe who made the piece for the Sullivan funeral.

A yellow and white chrysanthemum decoration of a three-story house called for a quantity of this favorite flower last week. The fortunate retailer had this just before the heavy frost and could use all the chrysanthemums he wanted at a very moderate cost. The lower floors were done with vases of chrysanthemums and bank of palms and ferns and the tables which were set in the ball room on the third floor had a flat heart-shaped piece in yellow chrysanthemums for the bridal party and gold baskets filled with chrysanthemums on the other tables.

Trade Jottings.

E. Weinhoeber Co. are distributing a fine souvenir in the shape of an engagement book. It is beautifully gotten up and does credit to this well known firm.

Chas. Moravek of W. Ogden Ave. is building a show house in connection with his store. When completed he will have an up-to-date place in a desirable location.

Chicago florists are regretting that their chances are slim of meeting many florists from other cities during flower show week, as Milwaukee, Indianapolis, Minneapolis, St. Louis and Chicago all hold flower shows at the same time.

The Chicago Carnation Co., as usual, will take an important part in the flower show. Peter Olsen will take their exhibit to Minneapolis and another will also be staged at Milwaukee. Manager Pyfer will have charge of their exhibit at the home show.

The Forestry class of the Chicago Woman's Club at its meeting Nov. 5, listened to a paper on Evolution of Plants by Mrs. Sherman. Mrs. J. C. Vaughan gave the Story of the Leaf and Mrs. E. E. Kendall of the State Forestry Com. also spoke at the Arche Club, Monday.

The South Park Commissioners of Chicago have decided to install two No. 14 Kroeschell hot water boilers for the new propagating houses to be erected at Marquette Park, Chicago, Ill. This is said to be the largest gravity hot water job erected in the West this season.

Personal.

J. A. Schnapp of the Alpha Floral Co. is back after an illness of several weeks.

The friends of Paul Blome of N. Clark street are pleased to learn that he is recovering from his severe illness.

Visitors: Martin Reukauf of H. Bayersdorfer & Co., Phila., Pa., on his way back from the coast; H. Philpott, Winnipeg, Manitoba; W. A. Desmond of E. S. Donaldson Co., Minneapolis, Minn.; E. G. Hill, Richmond, Ind.; Geo. Tromeys, Cincinnati, O.; S. F. Willard, Wethersfield, Conn.; C. Phillipp, gardener for E. S. Swift, Lake Geneva, Wis.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
New York International Floral Assn., 1328 Broadway.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Washington, D. C.—Another florist's store has been opened at 14th and I Sts., N. W., Hardy & Tillis, proprietors. Washington will soon have cause to be spoken of as the city of flower stores, as well as of "beautiful distances."

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., **SEATTLE, WASH.**

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2 Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

MUMS

FANCY, \$18.00-\$25.00 per 100. EXTRA, \$15.00 per 100.
MEDIUM, \$10.00 per 100. SMALL, \$6.00-\$8.00 per 100.

All the good varieties in season—good value in all grades.

BEAUTIES

The best, \$25.00 per 100.

BRONZE GALAX

\$7.50 per case.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies
Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

Open the new season right!

Select now your stock of

FANCY BASKETS

and pay no middlemen's profits

Two generations have given their best efforts to put upon
the market the best things in baskets and from their house in
Germany are sent the finest products that can be found anywhere.

The Raedlein Basket Company

have opened a wholesale store in Chicago and invite inspection
of their stock.

Close to the downtown district, 713 Milwaukee Avenue
Under personal charge of the Raedlein family.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 1	TWIN CITIES Nov. 1	PHILA Nov. 1	BOSTON Nov. 2
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	28.00 to 35.00	20.00 to 25.00	15.00 to 25.00
" Extra	15.00 to 20.00	20.00 to 25.00	12.50 to 15.00	10.00 to 15.00
" No. 1	12.00 to 15.00	10.00 to 20.00	8.00 to 10.00	6.00 to 8.00
" Lower grades	5.00 to 10.00	5.00 to 10.00	5.00 to 6.00	1.00 to 3.00
Bride, 'Mald, F. & S.	5.00 to 6.00	5.00 to 8.00	5.00 to 6.00	2.00 to 4.00
" Lower grades	3.00 to 4.00	3.00 to 5.00	3.00 to 4.00	.50 to 2.00
Killarney, Richmond, Fan. & Sp.	5.00 to 8.00	6.00 to 10.00	6.00 to 8.00	3.00 to 6.00
" Lower grades	3.00 to 5.00	4.00 to 6.00	2.00 to 4.00	1.00 to 3.00
Maryland, Chateau, Fan. and Sp.	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 6.00
" Lower grades	3.00 to 5.00	4.00 to 6.00	3.00 to 5.00	1.00 to 2.00
CARNATIONS, Nov. and Fan.				
" Ordinary	1.00 to 2.00	1.00 to 2.00	1.50 to 2.00	.75 to 1.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	30.00 to 60.00	..... to 50.00	25.00 to 40.00
Lilies, Longiflorum,	12.00 to 15.00	12.50 to 15.00	8.00 to 10.00	6.00 to 8.00
Lily of the valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 4.00
Violets .....	.40 to .75	.75 to 1.00	.50 to 1.00	.25 to .60
Snapdragon .....	..... to 2.00	..... to 2.00	4.00 to 6.00	1.00 to 2.00
Chrysanthemums	6.00 to 25.00	15.00 to 25.00	8.00 to 25.00	9.00 to 12.50
Gardenias	20.00 to 25.00	20.00 to 30.00	12.50 to 20.00	20.00 to 25.00
Adiantum .....	..... to 1.00	..... to 1.50	..... to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	50.00 to 75.00	45.00 to 60.00	30.00 to 50.00	..... to 50.00
" " & Spreu. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns,
Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of
Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, CHICAGO, ILL. FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c., 100. GREEN SHEET
MOSS, \$2.00 large bag.

KRICK'S FLORIST NOVELTIES



Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



Illustration shows one of our "CARNATION SPECIALS" ready to go out. These Specials are designed as "Opportunities for Live Business Men." Wonderful values.

Carnation Special

500 of our best quality, our selection, \$1.50 per hundred

CHRYsanthemums, Fancy.....\$20.00 to \$25.00 per hundred
Medium 10.00 to 15.00 " "
Short 5.00 to 6.00 " "

We make up a \$10.00 box of either the Fancy or Medium grades as desired, giving exceptional values in both cases; state which grade wanted when ordering.

We are now booking orders for Robert Scott & Son's new roses, Melody and Double Killarney. MEL-ODY, own root, 2½-inch, \$6.00 per dozen, \$30.00 per 100, \$70.00 per 250, \$250.00 per 1000. DOUBLE KILLARNEY, own root, 2½-inch pots, \$3.00 per dozen, \$20.00 per 100, \$150.00 per 1000; grafted, \$30.00 per 100, \$250.00 per 1000. March 1st delivery.

RIBBONS AND SUPPLIES OF ALL KINDS.

S. S. PENNOCK-MEEHAN CO.,

PHILADELPHIA, 1608-1620 Ludlow Street

WASHINGTON, 1212 New York Avenue

The Wholesale Florists of

CATALOGUE ON REQUEST.

PHILADELPHIA

NEW YORK, 109 West 28th Street



Flower Market Reports.

The market moves rather sluggishly this week.

There is some business being done, of course, but it can hardly be classed as up to normal. Chrysanthemums are at their heaviest now and all the out-of-town florists who are ordinarily buyers in the wholesale markets who have greenhouses are growing chrysanthemums in greater or less quantity and they will not buy anything else so long as these last if they can avoid it. Carnations are coming in freely and selling at what are considered inadequate figures, probably lower than anywhere else in the country at the present time. All roses are very abundant, with sales at low prices, Beauty included. Violets go a little better than they have done of late. Cold weather is needed.

The long-looked-for killing frost was had the past week and, with continued cold weather, by the end of the week the market had practically recovered from an over-supply condition. In chrysanthemums some choice Bonnafon, Duckham, Appleton, Golden Eagle, Alice Byron and President Taft are had and the choice stock has had a good call. This market has had a good proportion of the yellow variety, Robert Halliday. Carnations shortened in supply, as well as roses, but there have been enough to fill all orders. Lilies continue good and plenty of them; also lily of the valley, cattleyas and violets. Beauties in all grades have had a better demand.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI Nov. 1		DETROIT Nov. 1		BUFFALO Nov. 1		PITTSBURG Nov. 1	
ROSES								
Am. Beauty, Fan. and Sp.....	15.00	to 20.00	30.00	to 35.00	20.00	to 25.00	20.00	to 25.00
" Extra	10.00	to 15.00	25.00	to 30.00	15.00	to 20.00	15.00	to 18.50
" No. 1.....	6.00	to 10.00	20.00	to 25.00	7.00	to 10.00	10.00	to 12.00
" Lower grades.....	3.00	to 6.00	6.00	to 15.00	4.00	to 6.00	4.00	to 8.00
Bride, 'Maid, Chatenay, F. & S.....	4.00	to 6.00	6.00	to 8.00	7.00	to 8.00	6.00	to 8.00
" Low gr.....	2.00	to 4.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.....	2.00	to 4.00	6.00	to 8.00	7.00	to 8.00	6.00	to 8.00
" Lower grades.....	1.00	to 2.00	4.00	to 6.00	2.00	to 4.00	3.00	to 4.00
Kaiserin, Maryland, Fan. and Sp.....	4.00	to 6.00	6.00	to 8.00	3.00	to 8.00	6.00	to 8.00
" Lower grades.....	2.00	to 4.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
CARNATIONS, Novelties and Fancy	.....	to 2.00	3.00	to 4.00	2.50	to 3.00	2.00	to 3.00
" Ordinary	1.00	to 1.50	1.50	to 2.50	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	.....	to 60.00	.....	to 60.00	40.00	to 50.00	50.00	to 75.00
Lilies, Longiflorum.....	6.00	to 8.00	.....	to 15.00	8.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets.....	.20	to .35	.50	to .75	.60	to .75	.50	to .75
Snapdragon.....	1.00	to 4.00	.50	to 1.00	.....	to .....	.....	to
Chrysanthemums.....	2.00	to 20.00	15.00	to 25.00	6.00	to 20.00	6.00	to 20.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	1.00	to 1.50	.75	to 1.25	.....	to 1.00
Smilax.....	10.00	to 12.50	.....	to 15.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	.....	to 25.00	20.00	to 40.00	40.00	to 60.00	30.00	to 50.00
" " & Spren. (100 bchs.)	.....	to 25.00	20.00	to 40.00	35.00	to 50.00	30.00	to 50.00

For once the wholesaler and the retailer think alike; they are rejoicing in the killing frost which came in "dead" earnest Oct. 27th and all flowers, vines, etc. are gone for this year. Trade was stimulated at once and a different feeling pervades the entire wholesale district. While no sudden raise in prices was made a wholesale change in the general conditions of supply and demand was easily discerned. Oak leaves and vines, the blue gentian and the other flowers of the prairies are all gone and the chrysanthemum reigns supreme. Even the Beauties and or-

chids have second place this week for the quantity of chrysanthemums requires room for handling. Prices are not satisfactory and there is much stock which might better have not been grown. It is a question of selling good stock to good advantage now that so many chrysanthemums are grown and the grower who heeds this is the one who will have his balance on the right side of his ledger. So many market gardeners grow a crop of chrysanthemums in the summer and so many retail florists grow one or more houses of them that the quantity thrown upon the market is each year more and more, till one can easily see where the grower is drift-

(Continued on page 647.)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Oct. 29 1910	First Half of Week beginning Oct. 31 1910
American Beauty, Fancy and Special.....	15.00 to 25.00	25.00 to 30.00
" " Extra.....	10.00 to 15.00	8.00 to 15.00
" " No. 1.....	6.00 to 10.00	6.00 to 8.00
" " Lower Grades.....	2.00 to 4.00	1.00 to 3.00
Bride, "Ald, Chateau, Fancy and Special	2.00 to 4.00	3.00 to 5.00
" " Lower Grades.....	.50 to 1.00	.50 to 2.00
Killarney, Richmond, Fancy and Special.....	2.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	.50 to 1.00	.50 to 2.00
My Maryland, Chateau, Fancy and Special.....	3.00 to 5.00	3.00 to 6.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Carnations, First Quality.....	1.50 to 2.00	1.50 to 3.00
" " Ordinary.....	1.00 to 1.50	.75 to 1.00

BADGLEY, RIEDEL & MEYER, Inc. WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones { 1664 } Madison Square
 { 1665 }

CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. { 1519 } Mad. Sq. 113 W. 28 St., New York.
 { 5893 }

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

OF INTEREST TO CUT FLOWER BUYERS

The PITTSBURGH CUT FLOWER CO., of Pittsburgh, Pa., wishes to send a copy of their new illustrated catalogue on Florists' Supplies and Wire Designs to every Florist. This catalogue is very much superior to any of their preceding issues. This book will be sent free and postpaid to every person who fills out and returns them this coupon.

Pittsburgh Cut Flower Company,
121 Seventh St., Pittsburgh, Pa.

Dear Sirs:—I should like to receive your catalogue and weekly price list and hope that a copy is sent me, and oblige.

Name

Address

Mention Horticulture when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

Flower Market Reports

(Continued from page 645)

ing. The quality of all other stock and the demand and prices are about normal for the first of November.

NEW YORK This market has had to struggle against many adverse vicissitudes during the past few weeks. The long-extended season of out-door bloom, the avalanche of chrysanthemums and cattleyas and other things added to the uninterrupted period of summery weather made a rather formidable combination for the flower grower and flower dealer to face, but now the situation is made vastly worse by the expressman's strike, which has made no end of trouble and delay for flower shipments. Chrysanthemums are rapidly nearing their zenith. They are of fine quality, evidencing cultural advancement on the part of the market growers who are turning out as regular stock blooms of a size and finish which not very long ago were seldom seen. There are more roses than can be well disposed of and the disposal of the enormous receipts of small grade is a tough proposition for the wholesalers. Carnations have also moved into the over-plenty class. Orchids are abundant and Cattleya labiata is offered at very low figures, but in many cases these cattleyas are deficient in size and substance and the price asked is all they are worth. American Beauty roses are in short supply.

After the baseball enthusiasm of the beginning of the previous week, we now have

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 29 1910	First Half of Week beginning Oct. 31 1910
Cattleyas	20.00 to 30.00	20.00 to 40.00
Lilies, Longiflorum	4.00 to 6.00	4.00 to 6.00
Lily of the Valley	1.00 to 3.00	1.00 to 3.00
Violets.....	.20 to .40	.20 to .35
Snapdragon	1.00 to 3.00	1.00 to 3.00
Chrysanthemums	5.00 to 30.00	2.00 to 25.00
Gardenias	8.00 to 12.00	15.00 to 25.00
Adiantum.....	.50 to 1.00	.50 to 1.00
Smilax	8.00 to 12.00	8.00 to 10.00
Asparagus Plumosus, strings	15.00 to 15.00	..... to 25.00
" & Spreng. (too bchs).....	10.00 to 25.00	15.00 to 20.00

the football games. Some of the most important ones are now being played, which is a big help to business, quantities of flowers being worn, especially at the larger games. The last week in October started in warm, with stock plentiful and prices low. With cooler weather there was a very material change; stocks not quite so plentiful and holding noticeably firmer in prices, in some instances a slight advance. Out-door material, such as dahlias and cosmos, were killed down with a heavy frost the last of the week, which, of course, helped the greenhouse flowers very much. Chrysanthemums, probably, were benefited as much as any other flowers, there being quite an extra demand for good blooms, particularly some of the brighter colors, yellows going exceptionally well. Last Saturday more flowers were used at the games than at any time this season. Violets have been going slow, both doubles and singles. There doesn't seem to be near the activity of former years as regards violets. However, with cooler weather, no doubt sales on these will improve very much. Gardenias have been moving well, price holding firm. Carnations showed quite an improvement over the beginning of the week and the week previous; quality better, too. Roses generally showed an improvement in quality, Beauties leading. Demand seemed to be good and not an oversupply. Prices, if anything, better than a year ago at this time. Maryland and the two Killarneys are selling fairly well. Pompon chrysanthemums have made their appearance, the choice ones moving off on sight and the poorer ones moving very slowly, indeed. There is a lot of this stock grown which is not really of much use to anyone, and if the better varieties were only taken up and a little care used in selecting them, the growers would find returns more satisfactory; instead of being on the

wrong side of the ledger they would make good profits, as there is always a demand for well grown pompons of choice varieties. Orchids are good, prices holding firmer and supply easing up. Greens are more or less slow, although showing some improvement. Easter lilies seem to be moving extremely slow and prices rule very low. Lilacs have made their appearance and are selling fairly well. General tone of the market is much better and the outlook is encouraging. November should show quite an improvement over October.



Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE OF BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

ARAUCARIAS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Lenth & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengeri, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. Luther Maynard, R. 13, Knoxville, Tenn.

Asparagus Sprengeri, 3 in., strong, \$3.00 per 100. The Schafer Estate, Ballston Spa, New York.

Asparagus plumosus, extra fine 3-in., 5c. You will have to hurry and order, they won't last long at this price. Nice plants. H. M. Humfeld, Frankfort, Ind.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Azaleas, now ready. Strong plants, nicely budded, short standards, well shaped heads, 10 to 12 in., \$5.00 per doz.; \$40.00 per 100; 12 to 14 in., \$6.50 per doz.; \$50.00 per 100; 14 to 16 in., \$8.00 per doz.; \$60.00 per 100. Currie Bros. Co., 312 Broadway, Milwaukee, Wis.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BASKETS

The Raedlein Basket Co., Chicago, Ill.
For page see List of Advertisers.

BAY TREES.

A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD SPRAYS

BOXWOOD SPRAYS—Packed only in 50 pound crates. Can furnish either long or short branches of the hedge or tree varieties. Jones, The Holly Wreath Man, Milton, Delaware.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

For page see List of Advertisers.

"Buds," New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.

For page see List of Advertisers.

F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.

For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

CANNAS

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CANTERBURY BELLS

Carl Hagenburger Co., West Mentor, Ohio.
Pot Grown.

For page see List of Advertisers.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.

Field-grown carnation plants.

Winona 6.00 100 50.00 1000
Aristocrat 4.00 100 35.00 1000
Des Plaines Floral Co., Des Plaines, Ill.

Carnation plants, field-grown, Mrs. Thos. W. Lawson, \$5.00 per 100. Harlowarden, \$4.00 and \$3.00 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
Smith's Chrysanthemum Manual.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

STOCK PLANTS OF CHRYSANTHEMUMS.

Golden Glow, can ship at once. Will have the following varieties: Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann; \$1.00 per dozen, \$5.00 per 100. Satisfaction guaranteed. Brant Bros., Inc., Utica, New York.

CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white, MRS. W. E. KEL-LEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. Parks & Schaufelberger, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

For List of Advertisers See Page 653

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whifton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo. 'Your Cyclamens are the best of five growers we bought from.' And they gave us the second order."

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½ in. scords but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest years seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ, Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Pheacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.
For page see List of Advertisers.

DAHLIA—big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias.—For Seedsmen, Dealers and Growers; 50,000 large clumps, up-to-date varieties, cheap for fall delivery and cash. Send for prices and list. J. L. Moore, Northboro Dahlia and Gladioli Gardens, Northboro, Mass.

DAISIES

Daisies, Bellis, giant double mixed, 100, 30c.; 1000, \$2.00. Chas. Frost, Kenilworth, N. J.

Giant double daisies, Snowball and Long-fellow; \$2.00 per 1000. C. Sh. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.
For page see List of Advertisers.

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

DRACAENAS

Dracaena indivisa, fine strong plants, 2 in. pots, \$2.00 per 100. Cash. F. A. Albrecht, Jr., 90 Vanderveer St., Brooklyn, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.

FERNS

A. Leuthy Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

FERNS—Continued

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

R. G. Hanford, Norwalk, Conn.
Holly Ferns and Lardiere Ferns
For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Nephrolepis Whitmanii, Superblissima, Schoelzeli and Scotti, 5 in. pot plants, \$4.00 per doz., \$25.00 per 100.
The Storrs & Harrison Co., Painesville, O.

Neph. Whitmanii, 2½-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2½-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Whitmanii & Scotti, 2c. each. Leonard Long, Oakhurst, N. J.

Ferns. 2½ in., \$3.00 per 100; Boston, from bench, \$10.00 per 100; strong rooted runners, \$2.00 per 100. Must sell as we are crowded. W. B. Woodruff, Florist, Westfield, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
For page see List of Advertisers.

A. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
For page see List of Advertisers.

Rosens, 48 West 29th St., New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.
For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

GALAX—Continued

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

Kervan Co., New York.
For page see List of Advertisers.
Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2 in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecade, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2.00 per 100, \$18.50 per 1000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3.00 per 100, \$25.00 per 1000. Pelargonium, Mad. Loyal, \$5.00 per 100. Cash with order. Write for Geranium catalogue. A. D. Root, Wooster, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
For page see List of Advertisers.

Patschelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1183 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1183 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertiser

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE BUILDING MATERIAL—Continued

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.

S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1183 Broadway, N. Y.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE

Sidis Institute, Portsmouth, N. H.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1183 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers

The Kervan Co., New York.
For page see List of Advertisers

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers

HEATING APPARATUS

Lord & Burnham Co.,
1183 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 408 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope; rooted cuttings, dark colors, \$1.25 per 100; \$10.00 per 1000. Cash. Stephen B. Hoyt, New Caanan, Conn.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

HOLLY

HOLLY—Extra selected stock cut to order. Place your orders early. Jones, The Holly Wreath Man, Milton, Delaware.

HOLLYHOCKS

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1183 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

Field-grown Hydrangea Otaksa, 6 crowns or more, \$10.00 per 100. The Schafer Estate, Ballston Spa, New York.

HYDRANGEAS.

10,000 Hydrangea Otaksa, pot grown, 4 in. \$8.00 per 100; 3 in. \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

IM-PATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotidde kills all greenhouse pests. P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.

Alpine Manufacturing Co., Madison, N. J.
Alpine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-lne Products.

For page see List of Advertisers.

Wm. Elliott & Sons, New York, N. Y.

Spraying Compound.

For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

Boblink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts
C. Betscher, Canal Dover, O.

IVIES

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

Field-grown English Ivy, ready for 4 and 5-inch pots, 2½ to 3 ft., 2 to 5 breaks, "heavy stock," \$7.00 per 100, \$65.00 per 1000. Leonard Long, Oakhurst, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Palmsville, O.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM FORMOSUM

Lilium formosum, 7 x 9, \$19.50 per case of 300 bulbs. August Rolker & Sons, P. O. Box, 752, New York, N. Y.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
For page see List of Advertisers.

NARCISSUS (Bulbs)

20,000 Poeticus (Pheasant's Eye), \$1.25 per 1000. E. W. Plater, Carbondale, Ill.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.
For page see List of Advertisers.

C. R. Burr & Co., Manchester, Conn.
Carolina and Lombard Popular.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.

For page see List of Advertisers.

The F. E. Conine Nursery Co., Stratford, Conn.

Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
For page see List of Advertisers.

Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Elwanger & Barry, Rochester, N. Y.

ONION SEED

1000 LBS. ONION SEED.
At wholesale price, large or small lots.
E. L. CARLE, GENEVA, OHIO.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J. Box 106
For page see List of Advertisers.

For List of Advertisers See Page 653

ORCHID PLANTS—Continued

Sander, St. Albans, England.
 Importer, Exporter, Growers, Hybridists.
 For page see List of Advertisers.

Orchids—largest stock in the country.
 Stove plants and Crotons, finest collection.
 Julius Roehrs Co., Rutherford, N. J.
 For page see List of Advertisers.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
 For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
 For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
 For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
 For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
 For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
 For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

PANSY PLANTS

20 varieties of giant flowering pansies, in separate colors or mixed, \$2.50 per 1000. Chas. E. Sharp, Mt. Vernon, Ohio.

Kenilworth strain of Giant Pansy plants, 100, 50c.; 1000, \$3.00. Chas. Frost, Kenilworth, N. J.

Giant Pansies, good strain and stock, \$2.00 per 1,000, cash. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

Pansy plants of my largest flowering mixture of show varieties, unsurpassed quality, good size stocky plants, \$3.00 per 1000; 5000 lots, \$2.50 per 1000. Gustav Pitzonka, Pansy Farm, Bristol, Pa.

Pansy plants, N. Y., Giant Market and Giant Paris Market. Five plants, \$2.50 per 1000. Miss Alicia Fowler, Union City, Ind.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
 For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
 For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
 For page see List of Advertisers.
 A. T. Stearns Lumber Co., Boston, Mass.
 For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
 For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover O

PETUNIAS

Double Petunias, named, 2 in., 2 cts. Cash. Shippensburg Floral Co., E. W. Byer, Prop., Shippensburg, Pa.

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
 For page see List of Advertisers.
 Kroeschell Bros. Co., 466 Erie St., Chicago
 For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
 For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
 For page see List of Advertisers.

PIPE AND FITTINGS. Cast iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trol-lies. H. D. Seale & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POINSETTIAS

A. N. Pierson, Cromwell, Conn.
 For page see List of Advertisers.

POPPIES

Oriental poppies, mammoth flowered, field-grown and potted plants; choice 3-in., \$1.00 per doz. Wingert & Ulery, Malden Lane, Springfield, Ohio.

PRIMULAS

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O.
 20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 inch, \$4.00 per 100; 4 inch, \$7.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

PRIVET

Henry F. Michell Co., Philadelphia, Pa.
 California Privet.
 For page see List of Advertisers.
 C. R. Burr & Co., Manchester, Conn.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
 Hardy and Forcing Varieties.
 For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
 For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
 For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
 For page see List of Advertisers.
 R. S. Pennock-Meehan Co., Philadelphia, Pa.
 For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
 For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
 For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
 American Grown Roses.
 For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
 Blue Rambler Rose.
 For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
 For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
 For page see List of Advertisers.

Roses, 200 Crimson Rambler, small 2 yrs., \$4.00 per 100. Dorothy Perkins, large 2 yrs., \$7.00 per 100. Cash. W. H. Arnold, Dahlia grower, Box 107, Jamestown, R. I.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

R. G. Pratt Co., New York, N. Y.
 For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
 For page see List of Advertisers.
 Braslau Seed Growers Co., San Jose, Cal.
 For page see List of Advertisers.
 Hjalmar Hartmann, Copenhagen, Denmark.
 Cauliflower and Cabbage Seed.
 For page see List of Advertisers.
 Miami Valley Seed Co., New Carlisle, Ohio.
 For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
 For page see List of Advertisers.

Joseph Breck & Sons,
 51 and 52 N. Market St., Boston, Mass.
 For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
 For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
 For page see List of Advertisers.

Arthur T. Hoddington, New York.
 Sweet Pea Novelty, Maud Holmes.
 For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
 For page see List of Advertisers.

Richards Bros., 37 E. 10th St., New York.
 For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
 For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
 Cyclamen Seed.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
 Beans, Peas, Sweet Corn, Onion, Turnip.
 For page see List of Advertisers.

Wm. Elliott & Sons, New York.
 For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
 For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
 For page see List of Advertisers.

"Buds," New York, N. Y.
 For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
 For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
 Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
 For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
 For page see List of Advertisers.

Seed, Lobelia cardinalis, for sale, 1910 crop. For prices apply to John Tiplady, Lake Forest, Ill.

SMILAX

Smilax, 2 in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SNAPDRAGONS

Snapdragons, 2-in. pots, Golden Yellow, Coral Red, Rose, Ruby Red, Rose-pink and White, best varieties and novelties for forcing, \$2.50 per 100, \$22.50 per 1000. Dinstel Bros., 1851 No. 62nd Ave., Chicago.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
 White Marsh, Md.
 For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
 For page see List of Advertisers.

Foley Mfg. Co., Chicago.
 For page see List of Advertisers.

The Advance Co., Richmond, Ind.
 For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

VINCAS — Continued

Vinea Variegata, heavy field-grown clumps, \$4.00 per hundred, choice stock. A few extras if you mention HORTICULTURE. Wingert & Uery, Springfield, Ohio.

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

VIOLET BLOOMS.

Marie Louise violet blooms, good stem and color, \$1.00 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher a Wire Works, 28-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 11th St., Scranton, Pa.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100.
The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS

For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 84 Hawley St.
Welch Bros., 226 Devonshire St.
H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
Peter Reinberg, 51 Wabash Ave.
Hoerber Bros., Atlas Block, 51 Wabash Ave.
Poechmann Bros. Co., Morton Grove, Ill.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

New York

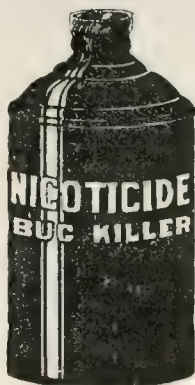
M. C. Ford 121 W. 28th St., New York
H. E. Froment 57 W. 28th St. New York
E. C. Horan, 55 W. 28th St. New York
A. H. Langjahr 55 W. 28th St. New York
James McManis 42 W. 28th St., New York
W. F. Sheridan, 133 W. 28th St., New York
Moore, Hentz & Nash 55 and 57 W. 28th St. New York
August Millang, 41 W. 28th St., New York

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

**P. R. Palethorpe Co.
OWENSBORO, KY.**

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00
50 lbs., 1.75
100 lbs., 3.00
500 lbs., 14.00
1000 lbs., 27.00
2000 lbs., 52.50

Stump & Walter Co. 50 Barclay St. New York.

**WHOLESALE FLORISTS —
New York — Continued**

Wm. H. Kuebler, 28 Willoughby St.
Brooklyn, N. Y.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

A. L. Young & Co., 54 W. 28th St., N. Y.

J. K. Allen, 106 W. 28th St., New York.

Charles Millang, 55 and 57 West 26th St., N. Y.

P. J. Smith, 49 West 28th St., N. Y.

B. S. Slinn, 55 and 57 West 26th St., N. Y.

Frank Millang, New York, N. Y.

Traendly & Schenck, New York, N. Y.

Badgley, Riedel & Meyer, Inc., New York,

A. Moltz & Co., New York, N. Y.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hull Co., Richmond, Ind.

Rochester, N. Y.

George B. Hart, 24 Stone St.

**NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID**
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

**Cattle Manure in Bags
Shredded or Pulverized**

Pure—dry—uniform and reliable.
The best of all manures for the
greenhouse. Florists all over the
country are using it instead of
rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on
the market. Pure manure and noth-
ing else. The best fertilizer for carnations and for
liquid top-dressing. Unequaled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STODTHOFF CO., MOUNT VERNON, N. Y.

**PRATT'S
"SCALECIDE"**
Will positively destroy SAN JOSE SCALE and all
soft bodied sucking insects without injury to the
tree. Simple, more effective and cheaper than
Lime Sulphur. Not an experiment. One gallon
makes 16 to 20 gallons spray by simply adding water.
Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

List of Advertisers

Page	Page	Page	Page
Advance, The Co. 655	Hollywood Gar- 643	Sheridan, W. F. 646	Thurlow's, T. C. 628
Allen, J. K. 664	dens 643	Sidis Institute. 653	Sons, Inc. 628
American Nur- 628	Horan, E. C. 646	Siggers & Sig- 655	Totty, Chas. H. 627
ery 628	Hunt, E. H. 652	ges 655	Franchilly & 646
Aphne Mfg. Co. 637	Intern'l Floral 642	Skidelsky & Ir- 641	Schenck 646
Aschmann, G. 626	Association 642	win 641	Trepel, C. C. 638
Badgley, Reidel 646	Kasting, W. F. 646	Slinn, B. S., Jr. 646	Valentine, J. A. 642
& Meyer 646	Co. 646	Smith, E. D. & 638	Vicks, Jas. Sons. 636
Banner, J. L. 647	Kentucky Tobac- 652	Co. 638	Vincent, R., Jr. 627
Barnard, W. W. 641	co Products Co. 652	Smith, P. J. 646	& Sons. 627-641
Co. 641	Kervan Co. 646	Smith, W. & T. 628	Wadsworth, B. 627
Barrows & Son. 626	King Cons. Co. 655	Co. 628	E. 627
Bayersdorfer, H. 643	Krick, W. C. 644	Smyth, Wm. J. 642	Wants, For Sale. 653
& Co. 643	Kroschell Bros. 655	Standard Plate 654	Ward, R. M. & 637
Bay State Nur- 628	Co. 655	Glass Co. 654	Co. 637
series 628	Kuebler, W. H. 647	Stearns, A. T. 655	Waterer, John & 628
Beaven, E. A. 647	Lager & Hurrell. 626	Lumber Co. 655	Sons 628
Bloomingtondale 638	Langjahr, A. H. 646	Stoothoff, H. A. 652	Welch Bros. 644
Bros. 638	Lawrence, H. V. 642	Co. 652	Wilson 642
Bobbink & At- 628	Leonard Seed Co. 641	Stump & Wal- 652	Wood Bros. 627
kins 628	Leuthy, A. & Co. 639	ter Co. 652	Woodruff, S. D. 641
Boddington, A.T. 641	Long, W. H. 642	Syracuse Pottery 654	Yokohama Nur- 639
Bolgiano, J. & 641	Lord & Burnham 656	Co. 654	series 639
Son 641	Co. 656	Tailby 643	Young, A. L. 646
Boston Florist 647	MacMulkin, E. 642	Flornburn, J. M. 641	Young & Nugent. 642
Letter Co. 647	Matthews 642	& Co. 641	Zinn, J. A. 643
Boston Plate & Window Glass Co. 654	McCarthy, N. F. 647		
Braslan Seed Co. 641	McConnell, Alex. 642		
Breck, J. & Son. 641	McCray Refriger- 643		
Breitmeier's, J. Sons 642	ator Co. 643		
Bridgeman's Seed Warehouse 641	McCullough's, J. M. Sons Co. 644		
"Buds" 641	McHutchison & Co. 627		
Buffalo Land Security Co. 653	McKellar, C. W. 644		
Burpee, W. A. & Co. 641	McManus, Jas. 646		
Buxton, Doane Co. 655	Metropolitan Mate- 655		
Carrillo & Baldwin 626	rial Co. 655		
Chicago Carnation Co. 627	Miami Valley Seed Co. 641		
Childs, John Lewis 637	Michell, H. F. 640		
Clarke, Dan'l A. 628	Michigan Cut Flower Ex. 647		
Clarke's, D. Sons 642	Millang, A. 646		
Conline, F. E. 628	Millang, Chas. 646		
Cowee, W. J. 644	Millang, F. 646		
Craig, Robt. Co. 626	Miller, A. L. 627		
Crawback, G. W. 646	Moltz, A. & Co. 646		
Dards 642	Moninger, J. C. 655		
Dawson, H. S. 638	Co. 655		
Dingee & Conard Co. 628	Moore, Hentz & Nash 646		
Dodd, Chas. H. 654	Morse, C. C. & Co. 641		
Dorner & Sons Co. 627	Murray, Samuel. 642		
Dreer, H. A. 639-654	N. E. Nurseries. 628		
Dysart, R. J. 653	Nicotine Mfg. Co. 652		
Dunlop, John H. 642	Niessen, Leo Co. 644		
Eastern Nurseries 638	Oechslin, Frank. 627		
Edwards Folding Box Co. 644	Ordonez Bros. 626		
Ellwanger & Barry 639	Ouwkerk, P. 628		
Elliot's, W. Sons 640-641	Paethorpe, P. R. 652		
Esler, J. G. 655	Co. 652		
Ernest, W. H. 654	Palmer, W. J. & Son 642		
Eyres 642	Park Floral Co. 642		
Farquhar, R. & J. & Co. 628	Parshelsky Bros. 654		
Foley Mfg. Co. 655	Pegcock Dahlia Farms 639		
Ford, M. C. 646	Pennock-Meehan Co. 645		
Ford, W. P. 646	Perkins St. Nurseries 639		
Fottler, Fiske, Rawson Co. 641	Peters & Reed 654		
Froment, H. E. 646	Pierce, E. O. Co. 655		
Galvin, Thos. F. 643	Pierapon, F. R. 638		
Glockner, Carl R. 641	Piersen, A. N. 627		
Greater N. Y. Florists' Asso. 646	Piersen, U. B. 656		
Grey, T. J. Co. 641	Pittsburg Cut Flower Co. 647		
Gude Bros. Co. 642	Poehlmann Bros. 644		
Hagenburg, er, Carl 627	Pratt B. Co. 652		
Hall Association 655	Pulverized Manure Co. 652		
Hanford, R. G. 638	Raedlein Basket Co. 644		
Hart, Geo. B. 644	Reed & Keller. 644		
Hartmann, Hjalmar 641	Reinberg, Peter. 643		
Herbert 627	Rice Bros. 643		
Hews, A. H. & Co. 654	Rice, M. & Co. 626		
Hillinger Bros. 651	Richards Bros. 641		
Hill, The E. G. Co. 626	Robinson & Co. 644		
Hitchings & Co. 656	Rock, Wm. L. 642		
Hoerber Bros. 644	Roehrs, Julius Co. 626-627-636		
Home Corresp. School 653	Roland, Thos. 627		
	Rolker, A. & Sons 651		
	Sander & Son. 626		
	Schultz, Jacob. 642		
	Scott, John. 639		
	Sharp, Partridge Co. 651		

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

PUT YOUR SAVINGS IN RESIDENTIAL BUILDING LOTS.

Be sure they are in improved sections. Buy close to a big city. Purchase early, don't let others make profits out of you. The greatest fortunes were made by realty investments. We will offer 1000 choice building lots on December 1st, at prices that will pay very handsome profits. Terms of purchase, \$25.00 cash, per lot, balance in thirty-six equal payments. No interest or taxes during this period. If you die before completing your payments, a deed is given your heirs, without further cost. Size of lots, 25 ft. by 120 ft. and upward. Price of lots, \$75.00 and upward, according to location. By investing in land you own something for your money. Investments in stocks or savings accounts are under the control of others. We guarantee you a profit of at least 25 per cent. for the first year. Subscription lists are now open. By remitting us \$10.00 per lot, subscribers get first selections. The first 500 subscribers will also receive a credit of 10 per cent. on their purchase. Act now. Let us make money for you and protect your savings.

We want agents in your locality. Write us the names and addresses of some of your neighbors. Do it now. **BUFFALO LAND SECURITY CO.,** Ellicott Sq., Buffalo, N. Y.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

FOR SALE

FOR SALE.

Old established florist store, Brooklyn, important transfer and "L." station; big funeral and family trade; cheap rent; lease; good living apartments. Apply at once, A. L. S., 1782 Fulton Street, Brooklyn, N. Y.

FOR SALE No. 4 Doric heater, second hand; about 2000 feet 2 inch pipe; the glass of a house 20 x 70 ft., 16 in. x 24 in. lights; about 8,000 or 10,000 flower pots of different sizes; and a lot of good sash 3 ft. x 6 ft. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

FOR SALE Greenhouses, 22,000 ft. of glass stocked with carnations. All in first class condition; fine location for retailer. One-third cash, balance in yearly payments. Address Fluegge Bros., 4840 N. Leavitt St., Chicago, Ill.

FOR SALE Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **PARSIELSKY BROTHERS, INC.,** 59 Montrose, Ave., Brooklyn, N. Y.

SITUATIONS WANTED

COMPETENT GARDENER seeks position in charge of private estate. German, wife and one daughter. Capable of taking charge indoors and out. Industrious, sober, well recommended. Address, F. B. one HORTICULTURE, Boston

New Offers in This Issue.

BARGAINS IN BULBS.

Wm. Elliott & Sons, New York, N. Y. For page see List of Advertisers.

CARNATION SPECIAL.

S. S. Pennock-Meehan Co., Philadelphia, Pa. For page see List of Advertisers.

CREPE PAPER POT COVERS.

M. Rice & Co., Philadelphia, Pa. For page see List of Advertisers.

FORCING HYACINTHS AND SWEET PEAS.

"Buds," New York, N. Y. For page see List of Advertisers.

GROUND COVERS AND PLANTS FOR THE ROCKERY.

Eastern Nurseries, Jamaica Plain, Mass. For page see List of Advertisers.

ILLUSTRATED SUPPLY AND DESIGN CATALOGUE, FREE.

Pittsburgh Cut Flower Co., Pittsburgh, Pa. For page see List of Advertisers.

NEW AND RARE SHRUBS AND VINES.

R. & J. Farquhar & Co., Boston, Mass. For page see List of Advertisers.

PLANTS OF ALL KINDS WANTED.

Bloomingtondale Bros., New York, N. Y. For page see List of Advertisers.

SEED GROWERS.

S. D. Woodruff & Sons, New York, N. Y. For page see List of Advertisers.

SPECIALTIES IN BULBS.

F. R. Pierson Co., Tarrytown on Hudson, N. Y. For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4,500 square feet. There are two grapevines with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Every thing is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

SIDIS' INSTITUTE
PORTSMOUTH, - - N. H.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.**A. H. HEWS & CO., Inc.**Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices**PARSHELSKY BROS., Inc.**

59 Montrose Ave., BROOKLYN, N. Y.

DREER'S

Florist Specialties
KEYSTONE CEDAR
PLANT TUBS

	Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00	
B 12 1/4 "	.75	8.25	65.00	
C 13 1/4 "	.85	9.35	75.00	
D 14 1/4 "	1.00	11.00	90.00	
E 15 1/4 "	1.25	13.75	110.00	
F 16 1/4 "	1.50	16.50	130.00	

Three largest sizes have handles.

Special PAIL TUB

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER714 Chestnut Street
PHILADELPHIA, PA.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS

Sharp, Partridge & Co.,

2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

GREENHOUSES BUILDING OR CON- TEMPLATED.

Hastings, Neb.—C. W. Winkler, one house.

Los Angeles, Calif.—G. E. Marshall, one house.

Ruthven, Ont., Can.—Park Bolton, one house.

St. Louis, Mo.—Soloman J. Hauck, one house.

Worcester, Mass.—Fred Madaus, one house.

Washington, D. C.—W. W. Kimmel, conservatory.

Amesbury, Mass.—Dr. Herbert G. Leslie, addition.

Youngstown, Ohio.—John Walker, range of houses.

Grand Island, Neb.—John Ellsworth, range of houses.

Fitchburg, Mass.—John J. Gottins, house 20 x 80 feet.

St. Louis, Mo.—Robert Winkler, house 25 x 100 feet.

Sedalia, Mo.—Archias' Seed Store, Corp., conservatory.

Orofino, Ida.—George Alteneder, three vegetable houses.

Saint Elmo, Tenn.—Mrs. L. D. White, range of houses.

Saginaw, Mich.—Charles Frueh & Son, house 30 x 142 feet.

Providence, R. I.—A. W. Vose & Son, house 38 x 100 feet, also house 24 x 68 feet.

West Newbury, Mass.—Chas. F. Newell, Brookdale Nursery, iron frame house, 25 x 100.

Hamilton, Va.—Dr. Warrenton Evans, two carnation houses, one 28 x 135 and one 54 x 150 feet; additional houses next year.

INCORPORATED.

San Antonio, Tex.—The Lady of the Lake Gardens Co., capital stock, \$10,000. J. A. Clopton, J. W. Spencer, H. P. Mathews and L. B. Randall, incorporators.

Chicago, Ill.—The Riverbank Co., to do a horticultural and agricultural business. Capital stock, \$2,500. Incorporators, Chas. J. O'Connor, J. Weilby and J. Kelley.

Martinsburg, W. Va.—McKown Orchard Co. Incorporators: H. H. McKown, Inwood, W. Va.; Alex. Clohan, T. W. Martin, H. L. Alexander and Max Von Schlegell, of Martinsburg.

Martinsburg, W. Va.—The Cherry Run Orchard Co., to conduct a general nursery business, grow fruit trees, etc., capital stock, \$25,000. Incorporators: Charles Burdett Hart, Wheeling; Alex. Clohan and Benjamin J. Thompson, of Martinsburg, John L. Lehman, Fairmont, W. Va.

CHARLES H. DODD

Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

Holds Glass Firmly

See the Point of
PEERLESSGlazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.**HENRY A. DREER,**

714 Chestnut St. Phila., Pa.

FULL SIZE
No. 2

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/4 " " 5.25	120 7 " " 4.20
1500 2 1/2 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.83	48 9 in. pots in crate \$3.60
500 4 " " 4.10	48 10 " " 4.80
456 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
210 5 1/2 " " 3.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our

Florist' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.,

Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

PATENTS
Trademarks and Copyrights
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."
SIGGERS & SIGGERS
PATENT LAWYERS
Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND
Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.
METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

KROESCHELL HOT WATER BOILERS
ORDER NOW
TELEGRAPH AT OUR EXPENSE
This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.
More Kroeschell Boilers and Generators used for greenhouse heating than any other make.
Send for catalogue.
KROESCHELL BROS. CO.
466 West Erie St., CHICAGO, ILL.
WILL SHIP WHEN WANTED
PAY AFTER BOILER REACHES YOU

FIRST COST SHOULD NOT BE THE ONLY
CONSIDERATION IN

GREENHOUSE CONSTRUCTION

KING HOUSES ARE REASONABLE IN COST AND TRULY ECONOMICAL FOR THEY ARE LASTING AND EASY OF MAINTENANCE, AND RELIEVE THE MIND IN TIME OF STORM.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

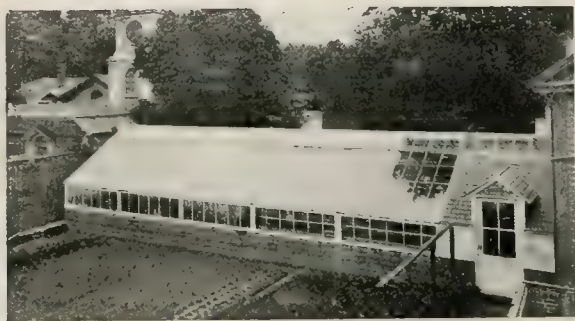
IRON PIPE Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.



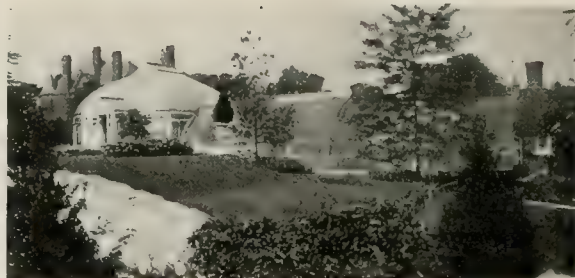
Over and Over Again We Have Tried to Impress on Your Minds

that there is no need to get discouraged about ever having a greenhouse just because there seems to you to be no room for one. Leave that to us. We have cracked some tough location nuts. Here is one squeezed in between the Garden wall and Gardners Cottage on a place at Newport, R. I. Tell us your troubles — that's what we are looking for.

Hitchings & Company

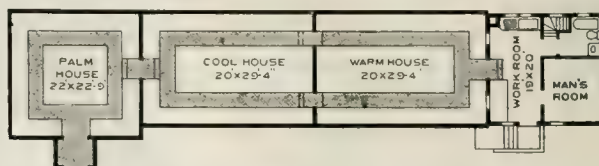
1170 BROADWAY

NEW YORK



PLAN 92

Here is where you get an idea of what happens when you give the greenhouse a chance, and locate it carefully and then let us plan a plan that suits that location. The new catalog view shows a good bit more of the grounds and tells you all the particulars of the house. If you haven't a copy—send for it.



Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Reekery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog



PIERSON U-BAR CO

1 MADISON AVE. NEW YORK
DESIGNERS AND BUILDERS



U-BAR GREENHOUSES

HORTICULTURE

Vol. XII.

NOVEMBER 12, 1910

No. 20



ASTER NOVE ANGLE LIL FARDEL

By Courtesy of Mt. Desert Nurseries

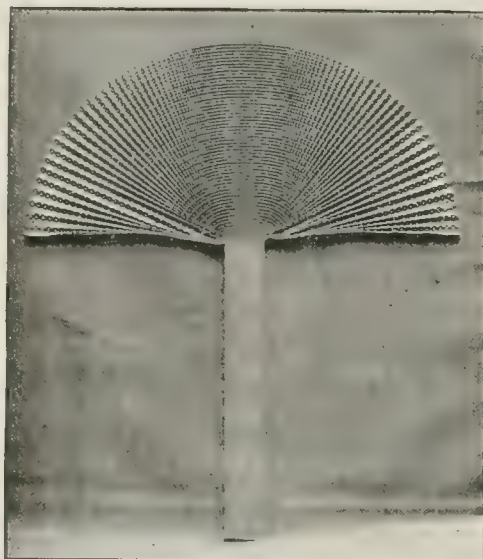
Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER**
and
Kindred Interests

Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00

U KNOW
US

PEBBLED PLEATED PAPER

LET'S
KNOW U



Plants trimmed with
Our Pleated Paper
sell themselves.
Paper cost so little
and look so much.
Every plant should
be sent out trimmed,
it is so satisfying to
the customer.
Can be had in the
following colors: —
White, Pink, Nile
and Moss Green,
Lavender, Yellow
and Xmas Red.
Pleated like a fan
— 30 in. wide —



Price per dozen \$2.50. Price per 100 rolls \$19.00.

KATALOG for the asking

The Leading Florists' Supply House & Ribbon Specialists ---- Manufacturers, Importers, Originators
M. RICE & COMPANY, 1220 Race St., Phila., Pa.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York,

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL,

SUMMIT
N. J.

GERANIUMS

ROOTED
CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials. Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2 1/4 inch \$30.00 per 1000.

WHITMANI, 2 1/4 inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 1 1/2 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

GERANIUMS

We have an immense stock ready for shipment, 250,000 in 3-in. pots, and good standard sorts at \$3.00 per 100, \$25.00 per 1000, 200,000 in 2-in. pots at \$2.00 per 100, \$18.50 per 1000.

Our New Descriptive Catalogue will be ready about Dec. 1st, and will be the most complete ever issued. Price list is now ready for all who ask for it.

COLEUS

BRILLIANCY.—This variety belongs to the giant-leaved section, of strong, vigorous habit, growing from 2 to 3 feet high, with leaves often 9 to 10 inches long, which are of a bright carmine, shading off to a deep maroon, the margins being yellow and green, the whole leaf having a rich velvety lustre. \$4.00 per 100 for plants from 3-in. pots.

	2 in. per 100	3 in per 100
COLEUS. In standard sorts	\$2.00	\$3.00
SWAINSONA. Alba	2.00	3.00
ALYSSUM. Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2.00	3.00
LANTANAS. Assorted	2.00	3.00
DOUBLE PETUNIAS. Mixed Colors ..	2.00	3.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

Do You Want to Sell Those Plants?

We are largest buyers of
Plants and Flowers in
New York. Call or write
with samples and prices.

BLOOMINGDALE BROS.
59th St., New York City
C. C. TREPEL

MUMS

Smith's introductions for 1911 eclipse all his
former efforts.

COMMERCIAL

SMITH'S ADVANCE—White flower-
ing from July to Oct

UNAKA Rose flowering from Oct
1st to 15th.

CERYSOLORA—Fine incurved Yel-
low, Oct. 15th to Nov.

DICK WITTERSTAETTER Bright
Crimson fine midseason

All the above have been awarded
first class certificate

We shall have several late ones of
equal merit.

EXHIBITION

LENOX—Incurved Yellow, 9 inch in
diameter, winner of Dreer special
prize at Morristown for best Ameri-
can seedling.

MORRISTOWN—A very long petal-
led Rose color, 8½ inches

TARRYTOWN A light Salmon
pink, 8½ inches.

POUGHKEEPSIE An incurved
Creamy White, 8 inches.

GLEN COVE A broad petalled Lav-
ender pink, 8 inches.

As seeing is believing, we know
there are no better exhibitions
now in commerce.

MINTA The new Light pink Pompon. C. S. A. Cert.

Complete description and prices on application.

ELMER D. SMITH & CO.
Adrian, Mich.

CARNATIONS

Fine healthy, field-grown.

	Per 100
400 Enchantress	@ \$8.00
100 Boston Market	@ 7.00
Patten and Queen	@ 7.00
Pres. Seelye	@ 6.00
300 Harlowarden	@ 6.00
Var. Lawson	@ 6.00

ROSES

Own root, fine stock, 3 inch pots.
Per 100

Perle and Sunset	\$8.00
Bride, Bride-maid, Golden Gate, Kaiserin	6.00

Wood Brothers
FISHKILL, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

FERNS FOR DISHES

Assorted varieties,
2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

4811 Quincy St., CHICAGO, ILL.

WASHINGTON

SPORT FROM ENCHANTRESS—SAME COLOR AS LAWSON.

Invest your money in a variety you know is the best money maker for any-
one to grow. Rooted cuttings guaranteed.

Ready Jan. 1, 1911. \$10 per 100; \$75 per 1000.

Order Today

CHICAGO CARNATION CO.,

35-37 Randolph St., Chicago, Ill.

LORRAINE BEGONIAS

3½ in. pots	\$30.00 per 100
5 " "	50.00 "

CYCLAMENS

3½ in. pots	\$20.00 per 100
5 " "	50.00 "

THOMAS ROLAND, Nahant, Mass.

VIOLET PLANTS

Field grown clumps of Gov. Herrick at \$6.00 per hun-
dred, \$50.00 per thousand. Splendid stock in every way.

**CHARLES H. TOTTY, MADISON,
N. J.**

BEGONIAS GLOIRE DE LORRAINE

	per 100.	per 1,000.
3-inch pots	\$20.00	\$180.00
4 " "	30.00	250.00

GARDENIAS

3-inch pots, \$15.00 per 100.	
4 " " 25.00	
5 in. pots, \$5.00 per doz., \$35.00 per 100	
6 " " \$6.00 and \$9.00 per doz.	

BOSTON FERNS

.25, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

BOBBINK & ATKINS

World's Choicest Florist and Nursery Products

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana, Paul Weber, Raphael, Vervaeneana, Mme. Van der Cruyssen, Dr. Moore, Mme. Cam. Van Langenhove, Paul de Schryver, Niobe, Prof. Wolters, Simon Mardner, Louis de Kerchove, Deutsche Perle, John Liewellyn, Mme. Jos. Vervaene, Memoire de L. Van Houtte, Sigismund Rucker, and others.

	Doz.	100		Doz.	100
10-12 in. diam.....	\$4.50	\$35.00	15-16 in. diam.....	\$9.50	\$75.00
12-14 "	6.00	45.00	16-18 "	12.00	90.00
14-15 "	7.50	60.00	18-20 "	25.00	200.00
			20-24 "	36.00	300.00

RHODODENDRONS.

In all bright colors; fine forcing varieties; good value. \$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors. 15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants. 12.00, 18.00, 24.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100		Per doz.	Per 100
Azalea Mollis.....	\$4.50	\$35.00	Marlus, Flowering Crab...	15.00	
Deutzia Gracilis.....	2.00	15.00	Dielytra Spectabilis.....		6.00
Lilac, Charles X, Marie			Aucuba Variegated, for		
LeGrave, extra size, for			window boxes, 12-15 in.	4.00	
8-9 in. pots.....	10.00		Aucuba, fine plts., 18-24 in.	9.00	

ROSES.

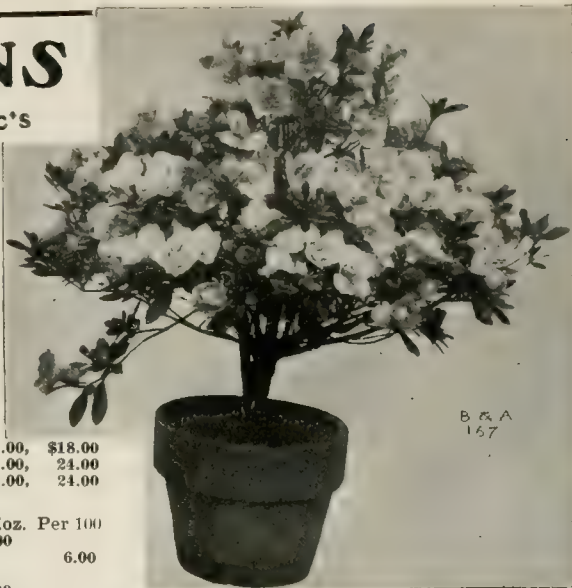
H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. E. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots.	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.



B & A
157

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

FOR SALE

	Per M.
Cottonwood, 12-18 in.....	\$1.25
" 18-24 in.....	2.00
" 2-3 ft.....	2.50
Diamond Willow, 12-18 in.....	1.30
" 18-24 in.....	2.05
" 2-3 ft.....	2.55
Asparagus, Conover's Colossal and Palmetto, 2 yr. No. 1, 15,000 of each	3.50
Asparagus, Conover's Colossal and Palmetto, 1 yr. No. 1, 10,000 of each	2.50
Rhubarb, large divided roots.....	20.00

The Whiting Nursery Co.
YANKTON, S. DAK.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvites, Colorado Blues, &c. Also in Catalpas, Birches, Planes, Poplars, &c. Very large Privet.

Evergreens are dug with balls.
THE F. E. CONINE NURSERY CO., Stratford, Ct.

Hardy Fall Asters

(See Cover Page.)

Hardy fall asters, strange to say, are up to the present little thought of in their native country. The common conception appears to be that as nature has strewn them wild all over the land there is no use to bother with them in the garden. I fear quite a number of us are unaware of even the very existence of garden types. In Europe it is different. Great Britain's leading herbaceous plant growers, for a score of years, have been at work to cultivate and improve hardy fall asters systematically and in Germany and France noted firms are busy on the same lines. The annual displays of choice garden varieties in the city parks of Frankfurt-on-the-Main and Hanover have become famous. These mass effects of cultivated and improved varieties of the *Novæ-Angliæ* and *Novæ-Belgi* order, in front of their tree and shrubby plantations, are calculated to give brightness and color-gaiety to the autumn aspect of promenades and boulevards, and, indeed, there is no better flowering plant material for such a purpose. At the eve of a period of vegetation asters are about the last outdoor flowers. Tossed about by occasional north and northwest gales and beaten by chilly rainstorms, under the beneficent influence of a few hours of sunshine they are ever ready to convey to the human eye a laughing farewell of the departing floral season. At this time all nature is aglow with the bright and brilliant colors of our autumn foliage. The soft pale blue, lavender, mauve and purple shades of the fall asters are Nature's harmonious mellow accords introduced into her grandest color symphony. It is for us to follow the given example, that is, in this case, to accentuate the vital parts of Nature's color scheme within the limits of our parks and gardens. Hitherto the garden types of fall asters, instead of being made a characteristic feature of the autumn aspect of every American garden, have been to a great extent neglected. There is no doubt as to their appropriateness and their effectiveness and a mere glance over the lists of our leading hardy plant firms shows that there is a well assorted collection, including many of the most improved shades and varieties at hand. Among those which have proven to be of merit I mention the new clear pink variety, *Aster Novæ-Angliæ Lil Fardel*. As seen on our picture, it is of tall robust growth, very large, and free-flowering and its waves of color, when planted for mass effect, never fail to attract attention. In my opinion it is one of the best in pink so far introduced.

Richard Rothe

Northeast Harbor, Maine.

Seasonable Notes on Forcing Vegetables and Fruit

CUCUMBERS

Plants from seed sown early in September will now be fruiting well and should be given light top dressings as soon as surface roots appear. Use a compost of two parts loam, one of leaf soil, one of spent mushroom bed and sprinkle a little manure over the heap before mixing. Keep the young growths tied in and stop at fourth leaf. Fumigate on the very first appearance of fly and svringe whenever possible to keep down spider. Close down early enough to run the temperature up to 90 degrees to 95 degrees.

VINES IN POTS

Young canes which have been left outside to ripen up their wood should have protection as soon as severe

weather sets in. Five degrees of frost is enough to subject them to. They can be stored away in any dry shed or cellar.

STRAWBERRIES

Strawberries which have been growing in the open should also be packed away in cold frames. Should they get frozen through any time by continuous frosts, a large percentage of pots will be broken. Any frames which can be spared should be filled to within 18 inches of the sash with ashes and the pots placed in, packing all intervening spaces with good dry leaves and making the whole as one solid bed. This leaves a space of one foot from the sash. Do not coddle in anyway and only use sash or covering in severe weather. The first batch intended for starting December 1st may be given all the weather, to secure as complete a rest as possible, care being taken to avoid pot breakage should a hard spell set in.

TOMATOES

Early sown tomatoes will now be ripening their first and second trusses of fruit. Top dress if necessary or feed with manure water. Use care in watering as either extreme is disastrous. Later batches should be encouraged to grow by moving the surface soil at regular intervals. Keep the leaders tied and remove side growths before they attain any size. Maintain a night temperature of 55 to 60 degrees.

THE VINE BORDER

If not already done, a good supply of loam should be got together and stacked in an available place, for top dressing and renovating borders in vineries and peach houses. Protect any outside vine border with a good mulching of straw litter.

George H. Benson

Duke's Park, Somerville, N. J.

Mr. Benson's next notes will be on: Root Pruning Peach Trees; Cleaning Early Vinery and Peach House; Forcing Rhubarb and Seakale.

A Few Good Plants for Apartments

Every gardener who has to supply foliage or flowering plants for the decoration of apartments in the winter season when artificial warmth is used, knows the difficulties he has to contend with; more especially in the case of foliage plants.

Podocarpus macrophylla (*longifolia*) is a plant from Japan, highly recommended in addition to the ordinary well-known subjects for such a purpose by a writer in "Die Gartenwelt." New seeds grow freely, and the plants, though of slow growth, make good decorative objects at nearly all stages. Another greenhouse plant of great ability to withstand unfavorable conditions is the Australian *Griselinia littoralis*. This plant forms a close compact bush, covered with light green, thick leaves down to the pot. It is proof against dry air and insects. The plant is of slow growth, but always close, and clothed with foliage. It may be struck from cuttings taken in the summer. *Raphiolepis ovata*, from Japan, may likewise be recommended for indoor decoration.

Fredrick Moore

HORTICULTURE

VOL. XII

NOVEMBER 12, 1910

NO. 20

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Aster Novæ-Angliæ Lil Fardel.	
HARDY FALL ASTERS—Richard Rothc.....	661
GOOD PLANTS FOR APARTMENTS—F. Moore.....	661
SEASONABLE NOTES ON FORCING VEGETABLES AND FRUIT—Cucumbers—Vines in Pots—Strawberries—Tomatoes—The Vine Border—G. H. Penson.	661
OSMANTHUS AQUIFOLIUM—A. E. Thatcher.....	662
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Cinerarias (Illus.)—Genistas—Japan Lilies—Pansies—Spiræa Japonica—Tulips and Von Sion—John J. M. Farrell.....	663
CYPRIPEDIUM KING GEORGE V—Illustrated.....	665
THE EXHIBITIONS:	
Rochester, N. Y.—Lenox, Mass.....	664
Tarrytown Horticultural.....	665
Connecticut Horticultural—Philadelphia—Buffalo ..	666
Indianapolis—Huntington—Washington—Department of Agriculture.....	666a
CLUBS AND SOCIETIES:	
Massachusetts Horticultural Society—Worcester County Horticultural Society, E. W. Breed, portrait—Detroit Florist Club—Chrysanthemum Society of America—New Orchids Certificated.....	666b
THREE NEW CHRYSANTHEMUMS—Illustrated....	666c
DURING RECESS:	
New York, Cincinnati and Chicago Bowlers.....	666c
FLORISTS' TELEGRAPH DELIVERY—J. A. Valentine.....	666d
CATTLEYA BUDS ROTTING—E. O. Orpet.....	667
SEED TRADE—About Peas—Bean Prices—Contract Growing Prices on Peas—Notes.....	672
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures.....	674
New Flower Stores—Flowers by Telegraph.....	675
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati.....	677
New Orleans, New York, Philadelphia.....	679
MISCELLANEOUS:	
Lotus peliorhynchus.....	666a
New Chrysanthemums, Buffalo Notes—Incorporated.....	666c
Government Positions Open.....	666d
Bulb Auction Sales—Notes—W. H. Adsett.....	666d
Appreciation, poetry.....	666d
Practical Information for Florists—Personal.....	667
News Notes.....	667-668-675
Catalogues Received.....	668
Chicago Notes.....	669
Cincinnati Notes—Philadelphia Notes.....	675
In Bankruptcy.....	679
Fire Record—Patents Granted.....	686
Greenhouses Building or Contemplated.....	686

The sentimental in the nurserymen's catalogues would gain in value by the insertion of a few poems relative to the plants or flowers offered and expresses the hope that we may yet have catalogues containing something more than the prices of plants. Well, there are some catalogues which do give very much more than the price and bare descriptions of the goods offered but these are not so numerous as they might be and it is possible that the Pacific Gar-

den is making a good point in its plea for more of them. The people who care most for beauty in plants and flowers are those who will also appreciate any appeal to the finer sentiments whether through poetry, prose or pictures, and the more a catalogue incites perusal the nearer it comes to catching a customer.

Sentiment in the back yard

Speaking of sentiment, however, we think it is sometimes very much overdone as in the title of an address recently delivered in Lynn, Mass., by a Boston lady on the subject of Glorified Back Yards! There are hundreds of back yards—and front yards, too—in every large community which are no credit to the neighborhood and any concerted movement in the interest of order and cleanliness in such places and tending to awaken the "civic aesthetic consciousness" deserves our hearty support. But the back yard has its uses as a back yard. There is a limit to its aesthetic treatment and glorification if it is to serve its purpose in a practical way. Is there not just a bit of danger of "flying too high" in such matters and turning a wholesome philanthropic movement into a hysterical fad?

Neglected opportunities

We often wonder why so many florists ignore and neglect utterly to take advantage of the excellent opportunities for business advancement afforded by the flower shows in their midst. Not long ago we had occasion to visit an important exhibition in a certain city and, being in doubt as to the location of the hall, stepped into a prominent florist store to inquire. The inmates informed us that they didn't even know there was a flower show in progress and indicated by their manner that they didn't care. This is not an exceptional case, either, as many of our readers well know. We cannot conceive of such indifference to their own interests on the part of the representative dealers in any other commodity under similar circumstances. There are many ways, surely, in which the flower dealer and decorator can obtain valuable publicity by taking an active part in these enterprises and one would suppose they would fairly jump at the opportunity. But they don't.

Osmanthus aquifolium

Although this interesting broad-leaved evergreen has been known for many years to science it is far from common and at the present time one can find it in few gardens even where shrubs are a specialty. This may be owing to the fact that there is some doubt about its absolute hardiness, but I believe if the right position is selected it will succeed and prove a desirable addition to our list of evergreens. The foliage of this shrub closely resembles that of the common European holly, *Ilex aquifolium*, except that the leaves are not so lustrous on the upper surface, but they are of about the same size and very spiny. The white flowers also remind one of the holly and are sweetly scented. There is, however, no affinity, *Ilex* belonging to Aquifoliaceae and *Osmanthus* to Oleaceae.

It seems probable that this ornamental shrub will prove hardy in Massachusetts gardens, as it has been safely wintered in the Arboretum without any protection, and I recently saw a good specimen in a garden at Magnolia which had stood out for five or six years with only the protection of surrounding bushes. A loamy soil and a position shaded from the hottest sun should meet this shrub's requirements.

Arthur. E. Thatcher

Arnold Arboretum.

Seasonable Notes on Culture of Florists' Stock

CINERARIAS

These plants should now be in two-inch pots and before long will want a four-inch pot which should do them until February. When shifting from a four-inch



CINERARIA STELLATA

pot the soil should be of an open nature. A good compost to use is two parts of fibrous loam, one part of well decayed cow or sheep manure and one part of leaf mold. They should be given a place in a cool house where the atmosphere is kept airy and moist. While these plants like plenty of water at the roots it should not be overdone, as it will cause a stagnant state of the soil which is fatal to their well being. Cinerarias become weak and drawn when grown in a too warm atmosphere, consequently only enough fire heat should be applied to keep them at about 40 degrees at night, with a rise of 10 degrees by day. In all their stages of growth they are especially liable to the attack of green fly and will require to be fumigated frequently with tobacco paper.

GENISTAS

If these are not wanted in bloom until Easter, you will have to keep them as cool as possible. If they are kept just clear of freezing that is all that will be needed. A pit or a north house where there is very little fire heat will be all right for them. It is easier to do your retarding now in the short and dark days of winter than when March and April come. Don't keep them any higher than 38 to 40 degrees at night. See that they are not allowed to dry out at the roots. They should be carefully and moderately watered when they need it.

JAPAN LILIES

Those intended for Easter and that are out in a cold frame should be protected from the severe weather that we are liable to have any time after this date, and also from any long-continued rains. The bulbs can be left in the frames until about the middle of December by which time they should have made plenty of roots, with a little top growth. They can then be brought into a house where the temperature is about 45 degrees at night and kept there during December. There is time yet to pot up lilies of the *Harrisii* type for Easter. Give them

6-inch or 7-inch pots at once. It is a good plan to place the bulb sufficiently low in the pot as there are numerous roots that start from the base of the flower stems which can later be given a liberal top dressing of some good soil. The Japan lilies are always in good demand for Memorial Day. In order to have a supply on that date it requires more retarding than forcing. To have them in flower for that day they should be in a cold frame well protected until New Year's. They can then be removed to a very cool house and carried through with little artificial heat. Longiflorums potted up now will come along all right for Decoration Day.

PANSIES

The plants that are intended for growing inside should be protected so as to allow of lifting them whenever there is room inside. Those who grow cut flowers will find it quite profitable to plant some pansies out on a bench in a cool house. Any good soil enriched with a liberal amount of well rotted manure will grow them. They like a temperature of from 38 to 40 degrees at night. If carried much higher it will diminish the size of the flowers. When they come into bloom a weak dose of liquid manure once a week will help wonderfully in the size of the flowers. While good pansies can be grown outside in this latitude with very slight protection, it is however, much more profitable to winter them in cold frames especially the finer strains.

SPIRAEA JAPONICA

The imported roots of spiraea or astilbes will soon be here. Unpack them at once as they are sometimes found to be in a very dry state. Soak them well after unpacking and leave them outside to freeze before you pot them up. They can be stored in any frame, putting a little earth between the roots and some over the crowns until you are ready to pot them up. Let them have the benefit of rain or snow as it does them good. When wanted they can be potted into six or seven-inch pots, and stood under a bench for the first three weeks, after which they can be given a place on the bench in any house that stands at from 55 to 60 degrees at night. It takes from ten to fourteen weeks to flower them. Astilbe compacta and Gladstone are popular forcing varieties.

TULIPS AND VON SION

Your main crop of narcissi, hyacinths and tulips should be planted now without delay. It happens often that a portion of the main crop of these bulbs, intended for spring trade, is neglected until too late, for lack of time or other reasons. Whether these bulbs are wanted for an early or a late tradé, it is better always to plant them as soon as possible after they are received. Tulips always force better after the new year. The necessary condition to force tulips from December until March is some place where they can have a strong top heat, with only a mild heat at the roots. For your earliest ones 80 to 85 will not be any too high. Two or three daily sprayings will be necessary in this heat. They should be shaded with something such as cheese-cloth, so as to induce a good stem. When the first flowers show color remove to some other bench until all the flowers are out when they can be put in a cooler house. Von Sion narcissi require just the reverse of tulips. It is well to leave these bulbs outside until about the middle of December when they can be brought in and stored under a bench in a house of 50 to 55 degrees. Tulips are better left out until wanted.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Care of Cattleya; Potting of Exotic Heather; Lily of the Valley; Melanthera; Begonias in Pots for Easter.

THE EXHIBITIONS

ROCHESTER, N. Y.

For the second time, the Rochester Florists' Association has to report the success of its annual flower show, given along the lines of the show presented last year, only larger and more beautiful. The plans for this year's exhibit were drawn by Alling DeForest, a local landscape gardener. F. J. Keller, as chairman of the decoration committee had full charge of the arrangements. Under his supervision the members of the association did all that was possible to make this non competitive exhibition—a nation-wide success, and it is no exaggeration to say that more than 27,000 people saw the show. The general plan of the exhibit was in two parts; that in Convention Hall representing a huge flower garden having wide, winding walks around beautiful flower beds; the other part representing a scene in Japan known as Hill Garden, it occupying the entire space in Exhibition Hall. This, the special feature of the show was under direction of J. M. Keller, who is well known for his landscape abilities, while the other part was put in charge of Salter Bros., both pieces of work deserving the greatest credit. General Manager Charles H. Vick made himself popular and showed characteristic diplomacy throughout the whole proceedings, which more than ever endears him to the hearts of the local craft. The Hill Garden scene was represented by mountains, hills, rocks, a beautiful winding river, an immense lake at the base of the mountains, trees, worshipping shrines, tea houses and many other unique Japanese features all of which were enclosed in a Japanese bamboo picket fence. In the lake, around which many real rocks had been placed, and in which many water plants were planted, were gold fish; the silvery stream trickling in miniature water falls to the lake shore, the surface of which was gently rippled by the aid of a motor fan, giving a touch of reality hard to duplicate. Behind the mountains, a scene was painted, on which was a snow-capped mountain, behind which a glorious sun was sinking. A bamboo network was suspended between the ceiling and floor on which was hung southern smilax through which was suspended about two hundred electric lighted various-sized Japanese lanterns, all of these making a beautiful scene, which will be long remembered by the patrons. In a tea garden tea was served by waitresses dressed in Japan costume. At one end of the Japanese garden a string orchestra played.

The main flower show in the large hall was executed by the various Rochester firms, each taking charge of one of the spaces. These were of every shape and size, and showed great individuality. No two were alike, and all took great pride in keeping their respective exhibits looking its best until the last day.

Special mention must be given the

very fine displays made by the following:

R. E. Ballantyne, gardener to Mrs. F. F. Thompson of Canandaigua, N. Y. This exhibit occupied the entire space across the front of the stage and contained some of the finest grown chrysanthemum plants ever seen in this part of the country—pompons, singles and other types. The setting was enriched by cattleyas, oncidiums, purple salvia, palms, ferns, crotons, etc. Colin Ogsten, gardener to Mrs. Wm. Kimball, showed three immense tripods from which hung huge baskets of Lorraine begonias. Between these were vases of the largest chrysanthemum flowers exhibited in the hall, while palms, ferns, anthuriums, crotons, etc., were used as an effective background, the whole being edged with well grown *Adiantum Croweanum*. E. Berry, gardener to Hiram Sibley, grouped decorative plants, chrysanthemums, etc. J. Petrie, gardener to Geo. Eastman, made an autumnal display, using colored natural oak foliage, logs of wood, palms, etc. and some exceptionally well grown chrysanthemums, both cut and in pots.

Other exhibitors were as follows:

Salter Bros., a Japanese scene, showing water falls, winding walks, rockeries, tea houses, bridges, etc. J. B. Keller Sons decorated the circle inside of which the band played, with palms, ferns, crotons, pot-grown and vases of chrysanthemums and roses. This firm also decorated the stage with many beautiful plants, in the back ground of which was a fountain on each side of which stretched masses of foliage and other plants. H. E. Wilson, E. R. Fry, Thomann Bros., J. Thomann, A. W. Darling, F. Specht, Geo. Keller, Geo. Boucher, Chas. Sechr, Fred Schlegel & Sons, Ed. Campbell, Vick & Hill Co. and many others made very attractive displays, all of whom took great pride in keeping their respective exhibits looking remarkably well.

John Dunbar, assistant superintendent of parks, exhibited a fine group of cacti. C. Vollertsen showed about 150 specimens from his herbarium, which were particularly attractive. W. Tickner made a landscape scene representing an English castle. In front of this exhibit a heavy gilt chain was hung from post to post. Altogether as neat a reproduction as one could wish to see.

J. Roehrs Co. sent a very fine collection of stove, orchid and other plants, among which were some *Celosia Pride of Castle Gould*, which proved the most attractive plant novelty in the exhibition. H. A. Dreer an extensive collection of dracenas, ferns, pandanus, etc. Chas. H. Totty a fine collection of cut pompon and single-flowering chrysanthemums. A. N. Pierson, Cromwell, Conn., several vases of choice commercial chrysanthemums which kept good during the entire exhibition. Ellwanger & Barry about forty specimens of tub-grown evergreens. F. R. Pierson Co., 100 blooms of American Beauty which were in prime condition at close of the show. Clifford & Son, carnations. Geo. Crooke Co., cut chrysanthemums. W. A. Manda a plant of *Polypodium Mandalanum*.

The ceiling of the hall was hid from the main floor by festoons of laurel roping, suspended from the top of the proscenium arch, to the gallery, where thousands of persons sat during each of the band programmes. On Friday a. m. the children of the orphan schools were invited free, during which time the band donated its services and on Saturday many public school children were admitted for 10c., while on the same afternoon each lady was presented with a rose, during the hours of 12 to 5. A popular price of 25c. was charged and it is to be hoped that when all accounts are settled there will be a good surplus from the income of the exhibition. The association made a glorious attempt to excel anything ever attempted along the same lines in the country, and it is generally conceded that its members deserve credit for originality and progressiveness.

THE LENOX FLOWER SHOW.

It was the writer's privilege to act as one of the judges at the annual Chrysanthemum Exhibition of the Lenox, Mass., Horticultural Society on October 26th and 27th. I had previously heard a good deal about the horticultural status of Lenox and naturally expected to find something very fine. To say that I was not disappointed with my visit is putting it mildly. I was delighted with my visit, the hospitable way in which I was received and entertained, and with the high order of horticulture and the horticulturists. The money value of the prizes is small in Lenox compared with many other places, and these annual exhibitions cannot be charged to any mercenary motives, but are the outcome of real sportsmen-like spirit and friendly rivalry. The awarding of the various prizes was no easy task, the decisions in many cases being awarded by a narrow margin of points. This was particularly so in the vegetable classes where only a matter of a few points separated the winning lot. Yet the protesting, which one usually hears, as the aftermath of the judges' decisions, was conspicuously absent.

The plant groups were a revelation of artistic taste and design. Three contestants entered for the plant groups and two for the orchid groups. The arrangement in each case was dissimilar and the individual specimens used were of the highest order culturally, and the awarding of the prizes was very much a matter of individual taste regarding arrangement. The first prize was awarded to F. Heermans whose arrangement was very gracefully combined and the individual specimens could be seen at a glance from any point of vantage, and this proved the deciding factor in the award. The ground work was extremely rich, consisting principally of Farleyense ferns and highly colored Rex begonias. The supporting columns on both sides were principally composed of this, with various specimen crotons of Warreni and Prince of Wales varieties, also Phoenix Roebelini and Asparagus elongatus. The predominating color used was white and pink. The second prize was awarded to Edward Jenkins. Pink and white also predominated in his arrangement, and his specimens were all that could be desired, but his group was heavier and had to be seen from various points to be assimilated. The third prize was awarded to Allan Jenkins. His group was a rock-work design, neat, original and effective, but lacked in the richness of foliage. His color effect was red and white, consisting principally of *Clerodendron Falax*, *bouvardia*, *justicia*, lilies and lily of the valley.

A. J. Loveless was first for group of orchids, and F. Heermans second. Mr. Heermans' group was more of a table effect in which he used a good deal of cork bark. They consisted principally of *Cattleya labiata* and *Oncidium Rogersii*, with Farleyense ferns as a ground work. They were a charming lot, most tastefully and sweetly arranged, but they lacked the costliness and variety of the Mr. Loveless' group which won out for him.

The chrysanthemum blooms were

well up to the average, but we believe not quite as good as former years.

The varieties principally shown were, in the more recent introductions, viz.: Gladys Blackburn, Mrs. Stevens, Hetty Wells, Onunda, W. Mease, Keith Luxford, Mrs. Syme and R. F. Felton. Amongst the older varieties the following predominated: Beatrice May, F. S. Vallis, Prest. Viger, Mrs. J. C. Neil, Pockett's Crimson, Pockett's Surprise, Mrs. Wm. Duckham, W. M. Moire, Lady Hopetoun, Glenview, Merstham Blush, Rose Pockett, Mrs. J. C. Dunne, Leslie Morrison, Merza, Commandant Matthieu, Wm. Duckham, Mrs. Etherington, Mrs. Norman Davis, Naucer Bey, Hamilton, Reginald Vallis and Geo. J. Bizard. In the 6-inch pot classes the following were principally used: Mrs. Wm. Duckham, Beatrice May, Mrs. Stevens, Leslie Morrison and Pockett's Crimson. Among the single varieties the following were noted as particularly good: Merstham White, Annie Stevens, Nellie Redding, Anne Bett, Chas. Graves, Crown Jewel, Alice Cumber, Thirza Sanford, Sylva Slade, Kitty Bourne, Mary Richardson, Mrs. Ferguson, Daisy, Mrs. Roberts, Marguerite and Yellow Queen.

Among the carnations, Alma Ward, Mrs. C. W. Ward and Dorothy Gordon were in the front in their respective classes. Lady Algy was also there in good size and form. For twelve flowering plants A. H. Wingett won out with fine geraniums. It is a wonder they are not more used, for here they made a fine display.

Next in importance to the plant groups in Lenox is the vegetable displays. Keener competition exists here than in any other section of the exhibition. They had the finest lot of vegetables that I have ever seen, and I question if a finer lot was ever seen in this country. The first prize onions were an even lot and averaged $3\frac{1}{2}$ pounds each. I don't believe there was an onion in the exhibition that weighed less than 2 pounds. Parsnips measured 4 feet, carrots 3 feet and leeks with 29 inches of blanch were some of the features. The gardeners of Lenox are certainly to be congratulated upon the most excellent showing. As a whole they stand at the head of their profession and their work will long be remembered. H. N.

TARRYTOWN HORTICULTURAL

The twelfth annual exhibition of the Tarrytown Horticultural Society was held this year in the Irvington Town Hall and was quite up to the usual high standard of former years. The hall itself was rather small for the accommodation of the exhibits, but by judicious arrangement of the outer halls and stairways ample room was provided and the show as a whole was one of the prettiest ever got together by the T. H. S.

In the cut chrysanthemum classes the blooms were uniformly large and well finished. Among the newer things shown were Mrs. Stevens, W. Mease, Mrs. D. Syme, Ruth Luxford, Naucer Bey, Onunda, Hamilton and R. F. Felton, while such of the old vari-

CYPRIPEDIUM KING GEORGE V.

(Reduced one-third.)



Regarding this superb cypripedium of which mention was made in our issue of last week, Mr. E. V. Low writes us as follows:

"I have just had the good fortune to flower and send out a startling cypripedium—admitted to rank with the very top standard. I named it after our King viz, "King George V" and exhibited it at the R. H. S. on October 11th, when it received a first

class certificate and was the centre of attraction and admiration. It also gained a similar award at Manchester nine days later and passed into the collection of Mr. W. R. Lee of Heywood, Lancashire, who is fast accumulating one of the choicest collections in our country. Without hesitation I say it is the very finest plant I have ever been connected with and further, I never aspire to raising such a splendid thing again in my time."

eties as M. Hankey, Merza, Mrs. H. Partridge, Beatrice May and Mary Donnellan were extensively staged and showed up well in company of the newcomers.

The rose classes were well filled, the flowers being of the highest quality, but nothing in the way of new ones were shown. Carnations were also high class all along the line and competition keen and close. Of the newer ones Mrs. C. W. Ward was easily the leader. Wm. Roberts, gardener to Fred Potter, Ossining, showed a scarlet seedling that won out in the scarlet classes. It is of good size, a fine bright color and an excellent keeper. For the dinner table decoration there were eight entries and all neatly and tastefully arranged. The silver cup offered for this class was won by Wm. Brock, gardener to Mr. Richard Delafeld, Tuxedo Park, with a beautiful table done with My Maryland roses and Farleyense ferns.

Among the important special awards were the following:

F. R. Pierson cup for exhibitor receiving largest number of prizes to Fred K. Potter Archbold prizes for 12 blooms distinct varieties chrysanthemums: Andrew McKendry; second, George Middleton Hermann prizes for 20 ditto: Robt. Angus; George Middleton. Pierson U-Bar prizes for table of decorative plants: Robt. Angus, Allan J. Jenkins. Johnson prizes: Wm. Stuart, Thos. Atchison. McFarlane prizes: John Canning, George Middleton, Boddington

prizes: S. C. Horn, W. J. Seakey, John Brunger. Miss Blanche Potter prizes: W. C. Roberts, John Canning, George Middleton. Mrs. Trevor prizes: W. C. Roberts, A. McKendry. Mrs. Osborn prizes: George Middleton, A. McKendry. Rockefeller prizes: John Canning, A. McKendry. Addison Johnson prizes: Geo. Witteinger, A. McKendry. Chas. Mallory Cup: Edw. Trethewey. Chas. Vanderbilt prize: A. McKendry. With the exception of the U-Bar prizes the foregoing were all for chrysanthemum blooms.

McCord cup for Lorraine Begonias: A. McKendry. Dreer prize for golden-leaved smilax: Francis Milne. Dreer prize for vegetables: Edw. Kane, Wm. Brock. Burnett prize for Liberty tomato: W. H. Brown. Read prizes for table decoration: Wm. Brock, Robt. Angus, John Canning. Lord & Burnham gold medal for roses: Mrs. Stuyvesant Fish. Langle prizes for Killarney roses: W. C. Roberts, Wm. Stuart. Vaughan prizes for carnations: George Middleton, H. Darlington. Selegman prizes for floral basket: P. W. Papp, W. Brock. Philip Jewell prizes for centre piece: A. J. Jenkins, Mrs. M. E. Sands.

The main winners in the regular pot chrysanthemum classes and cut chrysanthemum classes were Claude Wilson, E. H. Weatherbee, Hamilton Scott, Robt. Angus, A. McKendry, Wm. Stuart, John Canning, W. C. Roberts and George Middleton. On the second day the prizes for commercial growers were won as follows: 25 carnations—Traendly & Schenck. 25 roses—F. R. Pierson Co.

The exhibition called out the most prominent people of Westchester County. The beauty of the hall in which the elegant exhibits were displayed was a sight worth going a long distance to see.

CONNECTICUT HORTICULTURAL.

Rain fell most of the time during our Chrysanthemum Exhibition of Nov. 3-4, at Hartford. The attendance was almost decimated, resulting in a great financial loss; but, fortunately, we have an ample fund in reserve for such emergencies, to draw upon at this time. For quality and artistic merits, this was doubtless the best chrysanthemum show ever seen in the city, if not in the state. Vegetables and fruits accompanied, as well as cosmos, orchids, roses, violets, carnations, palms, ferns, etc. The sumptuous greenhouses of James J. Goodwin, always at the service of our exhibitions, were drawn upon again by President John F. Huss, aided by his very able assistant, Francis Roulier, in the hall decoration, under the charge of George B. Baker of New Britain; furnishing for the center an imposing group of palms, ferns and foliage plants. John Coombs, the local florist, also contributed for the stage a stately collection of palms, ferns, etc. All the cut blooms were staged low, giving a fine view of their character. Disposed about the great hall were the standard, bush, pyramid and single-stem chrysanthemum plants, evincing wonderful skill by the gardener in their production and training. President Huss taking premier honors in this class of plants, closely followed by J. A. Weber, gardener for Walter L. Goodwin; Niel Nelson, horticulturist for the Hartford Retreat; and, in the amateur branch, by A. Righenzi of Hartford. Mr. Weber showed a plant bearing 13 grafted varieties, including Japanese, single, pompon and anemone classes.

Charles Thos. Beasley, head gardener for Mrs. Wm. C. Lanman of Norwich, took home many premiums, in the professional classes, for cut blooms, and was followed closely by Mr. Huss, Mr. Nelson and Mr. Weber; and three new aspirants for honors,—Alfred Cebelius, gardener for Prof. M. W. Jacobus of Hartford; Thomas Steniford, gardener for Mrs. Wm. L. Cushing of Simsbury; and Walter Angus, gardener for Robert and Herbert Scoville, Chapinville,—received several first and second awards.

Much taste and skill was shown in floral pieces. In the professional class, George G. McClunie of Hartford won; his design being a 30-inch standing wreath of yellow and white chrysanthemums with *Adiantum* ferns, and having a footpiece of the same colored chrysanthemums and *Nephrolepis*.

Carl Peterson, manager of the Whiteing greenhouses, West Hartford, staged, for exhibition only, a fine collection of roses and violets. Terry & Peck of Bristol received first prize for the best seedling carnation, a large, promising white variety, unnamed; and for the best collection of standard sorts. Warren S. Mason of Farmington received several premiums for superior chrysanthemum blooms. Secretary Smith won first honors for fruits, with Mr. Angus second. The vegetable display was grand, Mr. Huss, Mr. Weber and Mr. Angus, all participating in the Bodington prizes. The judges were Robert Paton and John H. Murray of New Haven.

Despite the big monetary deficit we

must meet, our members believe that our society has just passed the best exhibition in its history.

GEORGE W. SMITH, Secy.

PHILADELPHIA.

The annual exhibition of the Pennsylvania Horticultural Society occupied four days of the present week. Chrysanthemums were the conspicuous feature. Foliage plants were largely represented and the vegetable department was also a strong factor. Specimen plants of chrysanthemums showed a distinct falling off in quality and quantity from the displays of previous years. Single-stem plants showed up in good shape. In cut chrysanthemums, while there may not have been quite so many as usual, the quality and finish was fully up to the standard.

The show was particularly rich in foliage plants and ferns, many groups showing great skill in culture, as well as rare and choice specimens. We note with satisfaction a distinct improvement in the spelling of the names in the foliage plant department.

We wish, however, to utter a protest against crude labels such as appeared on one leading exhibit. A first-class showing was marred, when a dollar or two spent on proper labels would have added style and finish to the plants. Exhibitors and the management are both at fault when such conditions are allowed in a public exhibition.

Down in the vegetable department naming and spelling both were very incorrect. "Ice radish" for White Icicle Radish is just an inkling of the many barbarities. Also, in many cases, first prizes were awarded for things looking like red shallots and marked Red Wethersfield onion; and for mongrel corn marked Stowell's Evergreen. We think that in place of awarding prizes for such things judges should promptly have such monstrosities excluded from public scrutiny. The exhibitor owes it to the public to bring good stuff, correctly named, to a show—or stay at home.

In the tradesmen's exhibit the displays were all bright and interesting and added variety, pleasure and profit to all concerned. Michell's occupied the entrance hall left with a fine display of bulbs and plants arranged in garden form and surrounded by balustrades studded with varicolored lights. Dreer's occupied the entrance hall right with bays; the front of the stage in upper hall with a general collection of palms, ferns, foliage and flowering plants; the lower hall with hardy chrysanthemums and an assortment of bulbs and sundries. Landreth's had a tasty display in the lower hall including specimens of their new green Pattypan squash. Waterer's exhibit of bulbs was remarkable for the size and quality of the various specimens shown. This was especially the case in the various sorts of hyacinths, tulips and daffodils.

Burpee's were out in strong force with a magnificent collection of squashes, pumpkins and gourds. These were arranged in the lower hall west, in striking and harmonious design—showing much taste both as to contrast and harmony in color arrangement as well as in unique designing. Hardy chrysanthemums were shown in the lower hall by Mehan's and Michell's. A patent adjustable pot holder, especially adapted for clematis and other outdoor decorative purposes was shown by Adolph Muller, and received much favorable comment. We understand it is to be put on the market in the near future. Lord & Burnham, and the Scientific Spraying Co., were represented by stands but put up no exhibits.

The two big vases of cut chrysanthemums and autumn foliage on the newel

posts of the main stairway were a fine feature of the show and reflected much credit on Messrs. Robertson and Kleinheinz. Robertson's lot was beautifully arranged. The coveted silver cup for the best exhibit of hardy chrysanthemums, arranged for effect, was won by the Pepper collection—a magnificent lot—all outdoor grown. The premium honors for the best cypripedium went to Widener's Harrisoni. Axel Landroth, gardener to Mrs. R. B. Ellison, Bryn Mawr, Pa., showed some extra well done Lorraine begonias. One specimen, in a hanging basket, was a perfect ball, nearly three feet in diameter, and covered with bloom. This graced the archway at south side of foyer. The Newbold collection of foliage and flowering plants had it all their way this year.

There was strong competition in the foliage plant class, Robertson, Dodds, and McLeary carrying off the honors. Robertson's were a splendidly finished lot and deservedly got the prize for culture, over larger specimens. The Wm. H. Moon Co. had a splendid collection of specimen evergreens in tubs. Some fine specimen plants of standard heliotropes were shown, the first prize going to Newbold's lot, which were half-dwarf standards, but had splendid heads—much better than the Ellison lot, which were rather leggy with small heads. The Conard & Jones Co. showed some good specimens of cannas, including William Saunders, Mrs. A. T. Conard and *Rosea gigantea*. This exhibit banked the landing on main stairway and was supported on each side by two fine vases of that magnificent white chrysanthemum, Lynnwood Hall. The Holson crotons, eight feet high, were the feature in the center of the main hall. Good crotons also came from Wanamaker's and Pepper's.

Andrew Cahoun, gardener to Mrs. G. W. Morris, Villa Nova, Pa., exhibited quinces. David Ingram, gardener to Mrs. Joseph F. Sinnott, Rosemont, Pa., was a prize winner in the specimen chrysanthemum classes. Wm. J. Henderson, gardener to Mrs. W. M. Potts, took honors in the cut chrysanthemum section with Beatrice May; as did William Morton, gardener to Craigie Lippincott, with the variety O. H. Broomhead. Alphonse Pericat staged a small but very select collection of orchids. We noted some exceedingly well done streptocarpus in the Newbold exhibit. Fancy caladiums from Wanamaker's were a center of interest to every visitor.

Wm. Robertson showed some fine blooms of his new chrysanthemum, a lemon yellow sport from Nellie Pockett. It is a worthy addition to the family and is in the running with the best of them—with some good points peculiarly its own.

The Robert Craig Company exhibited a nice group of well-finished specimens of *Phoenix Roebelinii*, *Dracena terminalis*, *D. Massangeana*, and *Ficus pandurata*. This firm also put up a good display of crotons, of the latest and most popular varieties.

The second day of the show brought out some good roses and carnations in competition. American Beauty was well shown by Wm. Kleinheinz, who also had splendid vases of Mrs. C. W. Ward and Pink Imperial carnations. Dodds and Robertson, also, were in the running on the cut flower classes. In the non-competitive section, the three rose novelties, Irish Melody and Double Killarney by Scott & Son, and Princeton by Stockton & Howe, graced the stage and were eagerly examined and discussed by the experts. Irish Melody and Double Killarney are to be disseminated next spring and we have in previous issues mentioned both favorably. Princeton is well displayed in the present instance. It is a lively, clear pink, large flower and good substance. The flower seems to be loveliest in the bud. The variety is stated to be a cross between Ulrich Bruner and Safrano.

Quite a number of out-of-town visitors attended the show, among them being a good delegation from Baltimore, among whom were noted Messrs. Lear, Glass, Hamilton and others.

BUFFALO.

The first non-competitive flower show ever held in Buffalo has just come to an end and the local florists and gardeners are pleased and surprised at the degree of success and satisfaction attained.

Although this show was planned in the month of July it was not definitely decided upon until about two months ago and for this reason large specimens and quantities of exhibition

chrysanthemums were not much in evidence, but the splendid effect produced by the ordinary run of stock spoke well for the general arrangement scheme.

In order to make this show a financial success and to create a spirit of good fellowship in the craft, no prizes were offered and all worked together to make it like a complete and unified decoration and it is safe to say that not a single dissatisfied patron left the exhibition hall.

The arrangement plan, which was prepared by Messrs. Geo. W. McClure & Son and which will be illustrated in **HORTICULTURE** at a later date, called for a garden treatment of the hall. The hall was divided into three areas, one very large and two smaller, the smaller areas devoted to cut flowers, orchids, table and basket decorations and specimen palms, while the larger area was arranged in the manner of a French parterre, with sodged beds and with a 14-foot pool and simple fountain in the centre. The smaller and central beds were filled with pompon chrysanthemums and the outer and larger beds were devoted to the large-flowered plants. The individuality of plant was not considered and the whole garden was beautifully simple.

The walls of the hall were covered with branches of highly colored oak foliage to a height of 20 feet and several large pin oak trees with trunks about one foot in diameter were used to further increase the desired garden effect. Two immense rustic pergolas formed an important part of the decorative scheme. One extended about 50 feet into the hall forming on each side the smaller areas for cut flowers and extended to the French garden, while the other with a slight curve and with flaring rafters was arranged over the stage. This pergola was so appropriate and its effect so good that it is now being used by another organization which followed the flower show in the town hall.

A promenade was arranged under the stage pergola with the object of affording a splendid view of the entire hall, while the rear of the pergola was developed into a winter-effect garden with evergreens and berried plants, this being the exhibit of Geo. W. McClure & Son.

The appreciation of the public and the satisfaction afforded the various exhibitors has whetted the ambitions of all to hold a larger and, if possible, a better show for 1911. The individual exhibitors took great pains and spared no expense in carrying out their own arrangement scheme and among them the following were prominent:

H. Keltsch & Son, vase of Beauties and large decoration of palms, ferns, chrysanthemums and specimen plants; Briarcliff Greenhouses, vase Beauties; Chas. Christensen, Eggertsville, N. Y., vase chrysanthemums; Lake View Rose Gardens, fine display of chrysanthemums; White Bros., Gasport, N. Y., carnations; Chas. Guenther, Hamburg, N. Y., fancy carnations and roses; Wm. F. Kasting Co., vase Beauties; Erie Floral Co., Killarney, Maryland and Richmond roses; A. J. Reichert, chrysanthemums; Lenox Flower Shop, table display; J. Benson Stottford, table display; Wm. Scott Co., lilies, beauties, plants, chrysanthemums; S. A. Anderson, table display, also the entire east side of the hall was decorated in the style of a woodland; D. Newlands & Co., plants, chrysanthemums, lilies; South Park Botanical Gardens, specimen plants and orchids; J.

Albright (by Chas. Sandiford), specimen plants, cut chrysanthemums and a variety of orchids that can hardly be equalled; W. J. Palmer & Son, table display, also the entire west side of the hall, using many specimen plants, Beauty roses and pompons; S. S. Pennock-Meehan Co., double pink Killarney rose; Hy. Weber, Whitman ferns and specimen plants; Jos. Sangter, table display; Louis Neubeck, specimen plants, pompons; Jno. Priesach, Corfu, N. Y., collection of chrysanthemums; Wm. Legg, assorted variety chrysanthemums and pompons; Baur & Smith, carnations.

E. C. BRUCKER.

INDIANAPOLIS.

The fall show which is running this week in Tomlinson Hall by the State Florists' Association is one of the finest in point of exhibits that has ever been held in this city. These events in this city have always been noted for the high quality of the stock shown and this year shows an unusual advance in the various lines. The classes for large blooms, as usual, take the lead in attracting the public attention, followed closely by the little pompons of which there is a fine display of large vases containing 100 blooms each. The decorations which were designed by Geo. Wiegand and executed by A. Wiegand & Sons are quite elaborate and show great artistic skill in execution. The general effect is very pleasing to the eye.

A fine lot of new varieties is staged by the E. G. Hill Co., Elmer D. Smith & Co., and Roepke & Rieman. John Hartje is showing a very promising new pompon of a fine shade of pink. There is a fine display of orchids, mostly cattleyas, shown by A. Wiegand & Sons and displayed in an excellent manner.

Wednesday was Carnation Day and there was a big display. Also table decorations.

Roses are listed for Thursday, followed on Friday by baskets.

CUT CHRYSANTHEMUM AWARDS.

50 blooms, white—1st, E. G. Hill Co.; 2nd, Roepke & Rieman; 3rd, W. W. Coles.
50 blooms, yellow—1st, F. Dorner & Sons Co.; 2nd, E. G. Hill Co.; 3rd, Roepke & Rieman.
50 "any other color"—2nd, F. H. Lemon & Co.

20 blooms, white—1st, E. G. Hill Co.; 2nd, Geo. R. Gause & Co.; 3rd, Roepke & Rieman.

20 blooms, yellow—1st, E. G. Hill Co.; 2nd, Baur & Smith; 3rd, F. Dorner & Sons Co.

20 blooms, pink—1st, E. G. Hill Co.; 2nd, Roepke & Rieman; 3rd, F. Dorner & Sons Co.

20 blooms, any other color—1st, E. G. Hill Co.

6 blooms, white—1st, E. G. Hill Co.; 2nd, Geo. R. Gause & Co.; 3rd, P. O. Tauer.

6 blooms, yellow—1st, E. G. Hill Co.; 2nd, Fred. H. Lemon & Co.; 3rd, F. Dorner & Sons Co.

6 blooms, pink—1st, E. G. Hill Co.; 2nd, Elmer D. Smith Co.; 3rd, P. O. Tauer.

6 blooms, red—1st, Elmer D. Smith Co.; 2nd, E. G. Hill Co.

6 blooms, bronze—1st, Elmer D. Smith Co.; 2nd, E. G. Hill Co.

6 blooms, any other color—1st, Elmer D. Smith Co.; 3rd, E. G. Hill Co.

25 blooms, 25 varieties, on mossed tables—1st, E. G. Hill Co.; 2nd, Elmer D. Smith Co.; 3rd, Roepke & Rieman.

100 sprays pompons—1st, Baur & Smith; 2nd, John Hartje; 3rd, E. G. Hill Co.

100 sprays, single-flowered—1st, E. G. Hill Co.; 2nd, Hartje & Elder.

HUNTINGTON HORTICULTURAL.

The Huntington (N. Y.) Horticultural and Agricultural Society held a chrysanthemum show on Nov. 3. This was the first exhibition of this kind the society has given, and owing to short notice there were not many exhibitors. The quality of the blooms

exhibited was excellent. August Heckscher, gardener I. Riddell, won first for vase 12 white, 12 any other, 12 assorted and 6 white. Walter Jennings, gardener Rich'd Cartwright, won first for bush plant, group of plants 50 sq. ft., vase 25 assorted, vase 6 yellow, 6 pink, 6 any other, 6 assorted, vase singles, best bloom and collection hardy varieties. L. D. Hurd first for 12 pots single stems and vase 12 yellow. H. T. and A. H. Funnell first for 6 pots single stems and vase 25 yellow. August Heckscher showed a fine group of Lorraine begonias and crotons, which was awarded a special prize.
A. H. FUNNELL, Sec.

WASHINGTON.

The show of the Washington Florists' Club at Convention Hall last week was an artistic success, but the club was not fully satisfied with the plan of giving it in connection with a commercial fair and the financial results have not been equal to expectations. It is not probable that the club will again depart from its policy of holding its show independent of other organizations. Certificates of merit were awarded as follows:

John Cook, Baltimore, for his new pink rose Radiance; Sam'l C. Moon, Morrisville, Pa., hardy plants; Henry A. Dreer, Philadelphia, palms and ferns; R. Vincent, Jr. & Sons Co., Whitmarsh, Md., pompon chrysanthemums; Wm. R. Smith, U. S. Botanical Gardens, group of rare plants.

DEPARTMENT OF AGRICULTURE.

It is estimated that nearly 10,000 persons visited the annual chrysanthemum show given by the Department of Agriculture in its greenhouses at 14th and B streets Northwest, Washington. E. M. Byrnes, superintendent of gardens and grounds, has several thousands of individual plants on view comprising 110 large varieties, 20 single and 40 pompon flowers. The plants resulting from a trial of imported Japanese seeds were disappointing, there being not a single plant worthy of special mention. The season being backward, many varieties usually making a fine show failed to do well. A cross between Dazzler and Edith Root resulted in a fairly well filled bronze head, and it is thought that next year another bud may fill better. A seedling magenta pink with reflexed petals promises well with a longer season.

A CORRECTION.

One error appeared in our report of the Morristown show last week. The grand sweepstakes prize was won by William Duckham and not by Harry Turner as stated therein.

LOTUS PELIORHYNCHUS.

A correspondent in Die Gartenwelt for June 25 writes convincingly in reference to this plant, as to its suitability as a market plant, with its shoots trained erect on small sticks, and not as a basket plant with pendent shoots—the usual way of displaying the plant. The best way of displaying the plant is to train up 6 or 7 of the stronger shoots. Propagation is best carried out in the month of May.

"Rosenzeitung" for October publishes a colored illustration of climbing rose Graf Zeppelin, double, dark red, large trusses.

CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual meeting of the Massachusetts Horticultural Society for the election of such officers for the ensuing year as the by-laws require, and for the transaction of such other business as may be legally presented, will be held at Horticultural Hall, 300 Massachusetts avenue, Boston, at 12 o'clock, noon, on Saturday, November 19, 1910.

The officers to be elected are. A President, a Vice-President (for two years), four Trustees (for three years), a Nominating Committee of five members.

The election will be by Australian Ballot and the polls will be open continuously between the hours of twelve, noon, and four in the afternoon.

Awards of the Committee on Gardens.

The Committee on Gardens of the Massachusetts Horticultural Society announces its list of awards for estates and gardens visited the present year as follows:

H. H. Hunnewell Triennial Premium for an estate of not less than three acres which shall be laid out with the most taste, planted most judiciously, and kept in the best order for three consecutive years: George E. Barnard, Ipswich.

Special prize for an estate in Massachusetts of not more than three acres nor less than one acre that shows the best arrangement in planting and is kept in the best order: Second prize, F. W. Dahl, Roxbury.

For a garden of summer or fall-flowering plants, not commercial: first prize, George E. Barnard, Ipswich, silver medal.

For a garden or collection of hardy roses, not commercial: first prize, George E. Barnard, Ipswich, silver medal.

For a rock garden: first prize, George E. Barnard, Ipswich, silver medal.

For a water garden: first prize, George E. Barnard, Ipswich, silver medal.

For a fruit garden of large or small fruits: first prize, Walter G. Kendall, Atlantic, silver medal; second, F. W. Dahl, Roxbury, bronze medal.

For a vegetable garden, not commercial: first prize, George E. Barnard, Ipswich, silver medal; second, F. W. Dahl, Roxbury, bronze medal.

Special awards are made as follows: Otto Strassenburg, Lexington, for superior cultivation of summer and fall-flowering plants, first class cultural certificate and \$10.00. Mrs. Harriet R. Foote, Marblehead, for superior cultivation of roses, first class cultural certificate and \$10.00. Charles W. Parker, Marblehead, for tasteful planting of his estate "Redgate," first class certificate.

The members of the Garden Committee for the present year are Charles W. Parker, Chairman, Arthur F. Barney, Arthur H. Fewkes, T. D. Hatfield, Julius Heurlin, Wm. Nicholson, W. P. Rich, Wm. J. Stewart, J. B. Shurtleff, Jr. and Wilfrid Wheeler.

WM. P. RICH, Secretary.

WORCESTER COUNTY HORTICULTURAL SOCIETY.

The annual meeting of the Worcester county (Mass.) Horticultural Society, held on November 2, furnished considerable excitement and although there were no close contests in any case, the election resulted in an entire change of officers, the first time in many years. The meeting was largely attended. The most notable incident was the retirement from the office of secretary, because of impaired health, of A. A. Hixon, who has faithfully served the society as secretary for 20 years. President George Calvin Rice also declined a renomination. The result of the election was as follows: President, E. W. Breed of Clinton; vice-presidents,



E. W. BREED

President-elect Worcester County Horticultural Society.

A. J. Marble, Charles Greenwood, H. R. Kinney; secretary, Leonard C. Midgley; treasurer, Burt W. Greenwood; librarian, Miss Lucy M. Coulson; also a board of 30 trustees.

DETROIT FLORIST CLUB.

The Detroit Florist Club will hold its annual show at the Michigan Cut Flower Exchange and outside growers of novelties are most cordially invited to send some of their product to the Michigan Cut Flower Exchange, arriving there not later than the morning of November 18.

During the last club meeting the question arose why chrysanthemums are so much smaller this year than last?

M. Bloy stated that the past hot summer caused the sap distributing vessels to become woody too soon, thereby preventing a free circulation of sap towards the buds. Mr. Bloy, as well as Mr. Knope, complained bitterly of the bone meal sent out from Chicago lately. In many instances it seems to cause the soil to become sour and produce a green growth on the surface.

FRANK DANZER.

CHRYSANthemum SOCIETY OF AMERICA.

Work of Committees.

Cincinnati, O., Oct. 29.—No. 13-09, Inc. Jap., color white, exhibited by Roepke & Rieman Co., Indianapolis, Ind., Color 16, form 10, fullness 8, stem 14, foliage 12, substance 10, size 7; total 77 points.

Cincinnati, O., Oct. 29.—Dick Witterstaetter, Ref. Jap., color crimson, exhibited by Elmer D. Smith & Co., Adrian, Mich. For commercial purposes; Color 18, form 13, fullness 8, stem 14, foliage 12, substance 13, size 8; total 86 points. For exhibition purposes; color 9, stem 5, foliage 5, fullness 13, form 14, depth 12, size 30; total 88 points.

Cincinnati, O., 29.—Minta, pompon, color pale pink, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 30, form 17, stem and foliage 17, fullness 18; total 82 points.

Chicago, Ill., Oct. 29.—R. F. Felton, Inc. Jap., color yellow, exhibited by E. G. Hill Co., Richmond, Ind. For commercial purposes; color 20, form 13, fullness 9, stem 10, foliage 10, substance 15, size 10; total 87 points. For exhibition purposes color 10, stem 4, foliage 4, fullness 13, form 13, depth 10, size 33; total 87 points.

Chicago, Ill., Oct. 29.—Golden Gem, Inc., color yellow, exhibited by E. G. Hill Co., Richmond, Ind. Color 18, form 14, fullness 9, stem 14, foliage 13, substance 13, size 8; total 89 points.

New York, N. Y., Oct. 29.—Minta, pompon, color blush, exhibited by Elmer D. Smith, Adrian, Mich. Color 35, form 18, stem and foliage 19, fullness 20; total 92 points.

The following chrysanthemums were exhibited before the examining committee of the C. S. A. at Morristown, N. J., November 2nd, by Elmer D. Smith & Co., Adrian, Mich., and scored as follows: Tarrytown—Pink Jap., color 7, stem 4, foliage 4, fullness 12, form 11, depth 11, size 20, total 69, exhibition scale. Poughkeepsie—Sulphur yellow Jap. Inc., color 7, stem 3, foliage 3, fullness 15, form 10, depth 10, size 25, total 73, exhibition scale. Lenox—Yellow Jap., color 9, stem 3, foliage 4, fullness 15, form 13, depth 13, size 30, total 87, exhibition scale.

CHAS. A. JOHNSON, Sec.

NEW ORCHIDS CERTIFICATED BY ROYAL HORTICULTURAL SOCIETY, LONDON.

The following awards were made by the orchid committee of the Royal Horticultural Society at the meeting on Tuesday, October 25th:

Odontioda Bradshawiae Westonbirt variety (O. crispum Britannia x C. Noezliana). First-class certificate to Lieut.-Col. Sir George L. Holford. A superb hybrid with flowers equal in size to those of an ordinary O. crispum; sepals orange-red with cream-white margin tinged with rose; petals cream-white tinged with mauve, and bearing a large reniform blotch in the centre and some red lines at the base. Lip with a chestnut-red blotch in the centre and on the side lobes.

Cypripedium Princess Mary (niveum

THREE NEW CHRYSANTHEMUMS.



MINTA (Light Pink Pompon)
First Class Certificate, C. S. A.



LENOX (Yellow)
Awarded Dreer Special Prize at Morris-
town for best American Seedling.



DICK WITTERSTAETTER (Red)
First Class Certificate, C. S. A.

x Helen II). First-class certificate to Sander & Son, St. Albans. The general appearance of this fine *Cypripedium* approaches that of *C. bellatulum album*, with a much enlarged lip and uniformly distributed purple spotting on the dorsal sepal and petals. Ground color pure white.

Cypripedium Britannia (parentage unknown). Award of merit to Sander & Son. Upper sepal pale emerald green in the lower half and white above, having some purplish-spotted lines. Petals and lip large, yellow, veined and tinged with pale purple.

Cypripedium Reginald Young (*Elmireanum* (*Hitchinsiae*) x *insigne* (*Harefield Hall*)). Award of merit to H. J. Bromilow. Similar to *C. Earl of Tankerville* in large blotches on Indian yellow dorsal sepal, which has a white upper half. Petals and lip yellow tinged with purple.

Calanthe densiflora. Award of merit to Sir Jeremiah Colman. Native of Sylhet and Assam. Scape erect and bearing a dense head of yellow flowers.

Odontoglossum Circe (*Cervantesii* x *Pescatorei*). Award of merit to Charlesworth & Co. Flowers white, spotted with red on the inner halves of the segments.

SOME NEW CHRYSANTHEMUMS.

The floral committee of the National Chrysanthemum Society, London, recently granted awards to the undermentioned novelties, several of which were to be seen on the trade stands at the show; Maud Williamson (*Stredwick* and son), Jap., a deep rose with silvery reverse. Mikado (*Silsbury*), Jap., rosy crimson, with nankeen reverse. Japan (*Silsbury*), deep crimson. Miss F. Collier (*Roots*), Jap. Ref. white. Mr. Roots also received an award for *Cranfordia*, a canary yellow Jap. and Betty Spark, silvery pink. Debutante (*Lowe & Shawyer*). Jap. Inc. white. Miss Dorothy Ashley (*Lowe & Shawyer*). Deep mauve pink, with golden tinted centre. Miss Elsie Heady (*Lowe & Shawyer*) pink.

W. H. A.

During Recess

NEW YORK BOWLERS.

On Friday evening, Nov. 4, the attendance was light, owing to the severe storm. Scores were recorded as follows:

Manda	191	196	172
Shaw	125	132	132
Smith	156	140	145
Nugent	78	78	96
McArdle	71	90	118
Fenrich	104	158	158
Scott	111	119	119
Chadwick	182	180	160

The head pin game for which P. J. Smith gave a handsome satchel as a prize was won by Bert Chadwick with a score of 108. The razor offered by Mr. Warendorff for next Friday will be awarded only to a member who has not yet won a prize—best average in three games.

Five alleys have been secured for Monday afternoon, Nov. 14, at which time it is expected that the Astoria Bowling Club will be present to play a match game.

CINCINNATI BOWLERS.

The Cincinnati Florists' Bowling Club held their second meeting, Monday, Nov. 7th. The following is the list of the scores:

	1st	2nd		1st	2nd
C. E. C'ch'll	184	155	R. W't's't'r	114	151
A. S'd'r'ch	176	188	C. H'm's't'r	146	104
W. Murphy	126	124	A. H'orn'ing	147	141
A. Heckman	132	111	R. Dellar...	146	103
O. H'm's't'r	127	97	L. W't's't'r	143	138
Gus. Adrian	87	84	P'en George	120	116
Ed. Sch'm'n	163	164	F. Dellar...	172	145
C. Murphy	129	132	W. Sch'm'n	162	151

CHICAGO BOWLING.

	1st Game	2nd	3rd
Roses	805	887	723
Orchids	752	731	771
Violets	773	779	773
Carnations	677	679	806

Arrangements are complete for the ball to be given on Nov. 11th at the Coliseum annex, and a good time is anticipated by the Bowling Club and their friends.

BUFFALO NOTES.

A delegation of Rochester florists visited the Buffalo flower show last Thursday, Nov. 4, the gentlemen carrying away with them the fact that Buffalo has a good start in the right direction. Chas. H. Vick, Fred W. Vick, J. M. Keller, Lee Tickner, Geo. Keller, and several others composed the party.

S. A. Anderson has a very fine new *Begonia*—unnamed—of the Lorraine type which he will soon introduce to the trade. This begonia has five petals to each flower, the pollen centre being three times as large as in the true Lorraine. It is an easy grower and roots readily, whereas the old begonia has one flower stalk from each axil, the new plant has three

Wm. F. Kasting, Geo. McClure and L. Neubeck, Jr., visited the Rochester show last Saturday as guests of the Rochester Florists Association. Unfortunately the pergola, built in Convention Hall during the preparations of the flower show, and a part of the decorations, fell, one of the men in the employ of Prof. Cowell being injured. He is recovering rapidly, however. J. Muller with J. Roehrs of Rutherford, N. J., and Geo. Strange with W. A. Manda of S. Orange, N. J., were visitors this week

INCORPORATED.

Goldendale, Wash. — Wahiakus Heights Orchard Co., capital stock \$25,000. F. W. Hurd, O. J. Nelson and N. B. Brooks, incorporators.

Blythe City, Calif.—The Big Five Nursery Co., capital stock \$25,000. Directors, R. E. Smith, S. S. Rogers and R. W. Ward of Blythe City, T. F. Hunt of Berkeley and N. D. Ingham of San Francisco.

Putnam, Conn.—East Side Greenhouses (E. M. Arnold) are reported to have failed.

FLORISTS' TELEGRAPH DELIVERY.

This is an auxiliary of the S. A. F. & O. H. and membership is open to all members of the parent Society who are doing a retail business.

It is our aim to have at least one member in each city and town, though membership may include as many as desire to join from any one city. It is not the intention to create a monopoly but merely to provide a complete list of reliable florists throughout the country for the interchange of business. The organization can not directly make a profit but is established for the convenience of its members and the expenses are to be met by annual dues of the members.

The Association guarantees prompt payment of bills due from one member to another member. This is made possible by requiring that each member shall deposit a certain amount in a trustee fund and the interest on this fund, together with membership fees, constitute a guarantee fund for the bills of all. Members who do not pay their bills promptly to be expelled and to lose their deposit.

The charges are based upon the assumption that the total of business going out from and coming into any given city will be in proportion to the population of that city and that the total business will not be much greater if there are several members in that city than if there were only one.

The census returns are not yet available for 1910 so the census of 1900 is at the present time taken as a basis. As an example of how it works out, let us take Indianapolis. The census of 1900 showed a population of 169,164. The payment to the trustee fund is at the rate of 20 cents for each thousand, eliminating fractional parts of \$5.00. This would fix the payment at \$30.00 for Indianapolis. If Bertermann were the first to join they would remit \$30.00 for the trustee fund and a membership fee of \$5.00 (which is the same for all members). The annual dues are fixed at 10 per cent. of the payment to the trustee fund, which in this case would be \$3.00 (dues in no case to be less than \$1.00).

Now suppose that the Weigands also concluded to come in. The trustee deposit for the whole city having been made by the first member from that city, the Secretary would advise the Weigands that their proportion was one-half of the \$30.00 which is \$15.00 and upon its receipt he would refund that amount to the Bertermann so that each should have the same amount invested and the deposit in the trustee fund from Indianapolis should always be the same.

For town of less than 25,000 population, the deposit is fixed at \$5.00.

It should be borne in mind that the payment to the trustee fund and the \$5.00 membership fee are made only once, not every year. It should be further remembered that if you choose to withdraw at any time you are entitled to get back the money you have on deposit in that fund, less your percentage of any bad bills paid out of that fund.

In other words this association is not for the profit of an individual, but

each member will simply pay his part of the cost of maintaining the organization.

Applications have already been received from such a large number of florists from all parts of the country and these represent such a substantial and prosperous class that the success of the enterprise is now a certainty and it is up to you whether you will move with the procession or watch it go by.

We have met with some objection from a few florists who had already established connections with other florists and were afraid they might be compelled to change. I wish to make it clear that this organization does not try to tell its members where they must place their orders. We think that members will be apt to deal with their fellow members but they are not bound to do so.

It is our plan to carry a complete list of members as a standing advertisement, so that in this way alone, each member will get back all that the membership will cost him.

It will save confusion and much extra labor for the Secretary if you will see your fellow retailers in your town and send the list of those who wish to join, to the Secretary. He can then send you a statement of the amount due from each. The Secretary of the Florists' Telegraph Delivery is the Secretary of the S. A. F. & O. H., viz.: H. B. Dorner, Urbana, Ill. Other officers elected at the Rochester meeting in August were Vice-President, W. J. Palmer, Buffalo; Treasurer, W. L. Rock, Kansas City. Directors: A. B. Cartledge, Philadelphia; W. F. Gude, Washington; Fred H. Meinhardt, St. Louis; Philip Breitmeyer, Detroit; Ernst Wienhoeber, Chicago; Geo. Asmus, Chicago; W. L. Rock, Kansas City; John Bertermann, Indianapolis, and Irwin Bertermann, Indianapolis.

Do not confuse this with any other organization of a similar nature. This is the only one organized under the auspices of the national society.

Hurry up and get into the band wagon!

J. A. VALENTINE, President.
Denver, Col., Oct. 20th, 1910.

GOVERNMENT POSITIONS OPEN.

The salary of \$1,800 a year awaits some man with a knowledge of botany and languages, as well as commercial geography, who will pass the examination to be held in many cities throughout the country, December 7 and 8, next. The position vacant is that of botanical assistant in the Bureau of Plant Industry at Washington. Men applying to take the examination must be 20 years of age or over and the languages required are French, German, Russian and Spanish.

There has been great difficulty experienced in securing competent assistants in the Bureau of Plant Industry. Especially is this the case with respect to plant pathologists. Young men qualified to serve in this capacity would be almost certain to find good openings with the Department of Agriculture, which would lead to better positions if they showed ability and ambition. Capable men in the Government service often find a field for their talents in foreign countries, which are showing a disposition to come here for agricultural experts and specialists.

F. J. DYER.

BULB AUCTION SALES IN LONDON.

At the present time the sales of Dutch bulbs by auction are in full swing at four sale rooms in London. This business has now reached extensive proportions. One firm advertises to sell no less than five tons a week, whilst the largest sellers get through no less than 10,000 lots a week. This speaks well for the popularity of the Dutch bulb in this country. A large number of the buyers who frequent the sale rooms are city men who take a pride in their suburban garden. They are attracted by the low prices. It is a case of taking the bulbs on trust, for of course the best quality bulbs are not sent over to these auction sales. The seedsman has to study his reputation, and for the sake of his good name will not push off inferior bulbs to a customer. With the auction sales it is different. The buyer looks for a bargain, and takes the risk. These city auction sales must make a considerable difference to the retailers for this. This business unfortunately is not confined to the bulb trade, as other branches of the nurseryman's business are encroached upon, to the detriment of the regular traders.

W. H. A.

FOREIGN NOTES.

Efforts are now being made in London to organize the retail florists and fruiterers for the redress of grievances affecting the trade.—A Gloria Mundi apple, weighing 27 ounces was lately sold at Covent Garden market for 14 guineas.—In the recent issue of the "Kew Bulletin" there is an interesting description by Mr. W. J. Bean of a visit to the Arnold Arboretum, U. S. A. Mr. Bean points out that the most noticeable difference between the general aspect of the vegetation of the Arnold Arboretum and that of English gardens is the absence of our common evergreens.—Arrangements are being made for a Colonial fruit show in London from December 1st to the 3rd. It is expected that the Dominion of Canada will be well represented.—The 12th report of the Woburn Experimental Farm is chiefly devoted to the silver-leaf disease of fruit trees, which has made its dread presence felt in this country to an increasing extent in recent years. As regards remedial measures, the Woburn authorities suggest a treatment with iron sulphate, applying this to the surface of the soil in which the roots are present.

W. H. ADSETT.

APPRECIATION.

How dear to my heart
Is the steady subscriber,
Who pays in advance
At the birth of the year!
Who lays down his money
And does it so gladly,
And casts 'round our office a halo of cheer!

He never says "Stop it—
I cannot afford it—
I'm paying for more papers now than I read!"

He always says, "Send it along—we all like it—
In fact we all think it's the thing we all need!"

How welcome is he, when
He steps in our sanctum!
He makes our hearts throb, jump
And caper and dance!
We bless him and his. Oh, how
Often we've thanked 'em—
The folks of that fellow
Who pays in advance!

—The Fruit Magazine.

PRACTICAL INFORMATION FOR PRACTICAL FLORISTS.

The short course in floriculture at the Massachusetts Agricultural College this year promises to be one of the most successful ever given. The registrations for the course are coming in rapidly and a good attendance is anticipated.

The department of floriculture is endeavoring to make its work valuable, not alone to the students taking the regular four years' course, but to the practical florists as well. The short course of twelve weeks during January, February and March is intended to reach just these people. Tuition is free and the only expenses are for board, text-books and the traveling expenses incidental to observation visits to florists' establishments in the state.

A large number of florists should avail themselves of this opportunity to get a large amount of valuable information at a slight expenditure of time and money. The course has been given for the past two years and thirty men and women from various parts of the United States have taken it. Most of these now have excellent positions and all are of the opinion that they benefited vastly from the course. Its value lies in the fact that all branches of floriculture are taught by specialists. One of the most successful florists in Connecticut who is a graduate of the four years' course at the college recently said that the course he found most helpful was that given in plant pathology. He had found it especially valuable in combating plant diseases. The course given by the floricultural department will cover as thoroughly as time will permit, those aspects of the work of special interest to the growers. Some of the topics to be considered are greenhouse construction, greenhouse details, such as ventilators, gutters, benches, etc., greenhouse furnishings and equipment, heating, florists' crops and florists' trade.

In addition to these lectures given by Professor White, other courses will be given in entomology by Dr. Fernald and his assistants; plant diseases by Dr. Stone; soil fertility by Prof. Hurd; fruit growing by Professor Sears. Other courses along similar lines of agricultural and horticultural subjects may be taken as time will permit.

The lectures will be given in the morning and the afternoon will be spent in practical work in the greenhouses, which are splendidly equipped for the work. A working suit will be necessary for this work. Saturdays will be devoted as usual to visits to greenhouses for observations regarding methods. Among the ranges to be visited are H. W. Field's, Northampton; Montgomery Bros.' rose establishment, Hadley; the conservatories at Smith College and Mt. Holyoke College; A. N. Pierson, Inc., Cromwell, Conn.; Joseph Beach & Son, South Hadley; G. N. Sinclair, Holyoke; Peter Fisher, Ellis; Waban Rose Conservatories, Natick; William Sim, Chilton-dale; Thomas Roland, Nahant; and others.

One of the most valuable features of the course has been the talks given by practical men, not connected with the college. This year a week will be devoted to greenhouse construction and aside from the regular lectures of the department, talks will be given that

week by R. O. King of the King Construction Co., North Tonawanda, a representative of Lord & Burnham Co., Irvington, N. Y., and a representative from Hitchings & Company of New York.

A second week greenhouse heating will be considered. F. J. Elder, heating expert of Lord & Burnham Company, will speak on this subject. Other talks during the course will be given by the following named men on the following subjects: W. H. Elliott, Brighton, Mass., Rose Culture; Eber Holmes, Montrose, Mass., Rose Culture; M. A. Patten, Tewksbury, Mass., Carnations; C. W. Ward, Queens, Long Island, Carnations; C. H. Totty, Madison, N. J., Chrysanthemums; W. N. Craig, North Easton, Mass., Orchids; E. J. Canning, Northampton, Mass., Some Hardy Herbaceous Perennials the Florist Should Grow; J. Otto Thilow, Philadelphia, Pa., Subject to be announced; Edward MacMulkin, The Retail Flower Trade.

Men and women from any state in the Union are eligible for this course. Additional information may be had from Professor W. D. Hurd, Director of the Short Course or from E. A. White, Professor of Floriculture, Massachusetts Agricultural College, Amherst, Mass.

NEWS NOTES.

Jamaica Plain, Mass.—Alex. McKay succeeds W. A. Riggs as gardener at the Clark estate.

Shenandoah, Pa.—The contract for the building of the greenhouses at the City Park, to cost \$960, has been awarded.

Cincinnati, Ohio.—John Walt will dispose of his greenhouses and residence but will continue to run his Eastern avenue store.

Auburndale, Mass.—Wm. A. Riggs, formerly head gardener for E. A. Clark, Jamaica Plain, has purchased the John Forbes estate consisting of two acres of land and 20,000 feet of glass. He intends to go into the commercial field growing pot plants for the market.

Richmond, Ind.—On Wednesday, Nov. 2, the officers and members of the Indiana State Florists' Association to the number of twenty-five, visited the greenhouses of the E. G. Hill Co. and other local establishments. They were hospitably entertained by Mr. Hill. Many interesting novelties were inspected and admired.

Patterson, N. J.—At the park greenhouses there is at present a superb display of chrysanthemums, which Superintendent McCullum regards as the best he has ever presented for the pleasure of the public. The attendance is very large each day and much interest is manifested, especially in the newer varieties, practically all of which are included in the collection.

New Orleans.—J. A. Newsham, of orchid fame, has the finest collection of these plant aristocrats ever brought together in New Orleans. These are his hobby and he makes it pay.

The Metairie Ridge Nursery Co. is demonstrating the fact that good roses can be grown in New Orleans; good houses and skillful management are showing results.

CATTLEYA BULBS ROTTING.

Mr. Pauls has said truly in the last issue of HORTICULTURE that the cause of the above trouble must be sought at the roots, and it may be said also that it is generally due to too much moisture during the dull autumn days. The average cultivator does not realize that with the shortening of the light there is less need of watering, many roots especially those of the preceding year are lost, and even if the plant does flower it is a very sick specimen afterwards. The fact that *C. labiata* produces a double sheath is no argument in favor of excess of moisture supplied from the outside being the cause—it being a very necessary protection to the huge spikes of flower this cattleya often produces, and even then the stems on emerging bend downwards by their own weight and that of the flowers. A point to be made plain in regard to *C. labiata* is this, that after flowering these sheaths must be cut away clean, so that no water can lodge at that point and cause decay. Very many fine bulbs have been lost because of neglect of this simple precaution. In the opinion of the writer *C. labiata* is a hard cattleya to keep in good health for a long time. We have all seen hundreds of specimens in rugged health and vigor when newly established, and have watched them under our own care dwindle and become weak, in time too poor to occupy space under glass. A plant of the first importations offered in New York would indeed be a curiosity if located, at least to the writer who had lots of them. It is feared that many give too severe a "rest" to this species for the reason that it is considered over and done with for about five months after the flowers are past, while this is just the time a little stimulus is necessary—stimulus not stimulant—in order to help the plant recover from the great effort. Do not hang the plants up and forget them in making room for others to bloom later. The golden rule to be observed in the culture of Cattleyas is, "Never at rest," always getting ready for some stage of growth preparatory to flowering or recuperating therefrom. Those who in the past have proved the value of feeding stimulant proper, do not stop applying it after bloom is past; it is even more necessary then.

E. O. ORPET.

PERSONAL.

Rudolph Roehrs, of Rutherford, N. J., has returned on S. S. Noordam, from his sojourn among the European nurserymen.

R. Vincent, Jr., of White Marsh, Md., has received a letter from J. S. Brunton, editor of the Horticultural Trade Journal, Burnley, England, in which Mr. Brunton states that he expects to visit the National Flower Show at Boston, next March, accompanied by quite a party of British horticulturists.

Visitors in New York: Mr. and Mrs. Carl Beers, Bangor, Me. Mrs. Beers sails for Europe on Saturday, Nov. 12, to collect a large legacy left to her by a relative.

Boston visitors: G. E. Baldwin, Mamaroneck, N. Y.; S. H. Chamberlain, New Bedford, Mass.

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots—2 to 3 ft. tall. Price \$2.50 and \$3.00 each

Julius Roehrs Co., Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties** which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

CATALOGUES RECEIVED.

W. D. Hathaway, New Bedford, Mass.—"Hathaway's Dahlias, 1910."

Peter Lambert, Trier, Mosel.—Illustrated Catalogue of Roses. Covers in colors.

Frederick Roemer, Quedlinberg, Germany.—Illustrated List of Novelties in Flower Seeds for 1911.

George H. Peterson, Fair Lawn, N. J.—"The Flower Beautiful." An illustrated price list of peonies.

Wilhelm Pfitzer, Stuttgart.—1910 Price List of Dutch Bulbs. List of Roses. Price Cards of Gladioli.

Dervaes Freres, Weteren, Belgium.—General Catalogue of Nursery Stock, Herbaceous Plants and Aquatics.

Anthony Waterer, Knap Hill Nursery, Woking, Surrey, Eng.—Catalogue of Hardy Trees, Shrubs, Conifers, Rhododendrons, etc.

Samuel C. Moon, Morrisville, Pa.—Wholesale Price List of Ornamental Deciduous and Evergreen Trees and Shrubs for 1910.

C. C. Morse & Co., San Francisco, Cal.—Bulb Catalogue, Fall, 1910. Includes also Sweet Peas and Pansies. Handsome cover illustration of narcissi and tulips.

Henry Mette, Quedlinberg, Germany.—Trade Catalogue of Vegetable, Flower and Farm Seeds. Including list of novelties in flowers and vegetables for 1911 and beautiful colored plate of giant-flowered pansies.

Pittsburgh Cut Flower Company, Pittsburgh, Pa.—Wholesale Catalogue of Florists' Supplies. Here is a publication that no florist should neglect to have close to his desk. It is complete in variety offered, finely illustrated and artistic in every detail. The

Pittsburgh Cut Flower Co. are to be congratulated on their enterprise in sending out so excellent a production.

NEWS NOTES.

Watertown, Wis.—Beneke Bros. succeeded George Beneke.

Columbia, Mo.—Charles H. Koepen, florist, was operated on Sunday, Oct. 23rd, at the Parker Hospital for appendicitis. He is reported improving and in a fair way to recovery.

Norwich, Conn.—The Gblanbones Greenhouses is the name under which the estate of Mrs. Wm. Camp Lamman will be known. Charles T. Beasley is in charge and they will do a commercial business.

Mt. Vernon, Ia.—A. T. Cowan whose greenhouse was destroyed by fire as reported in another column, will carry on an order business during the coming winter and will rebuild next spring.

E. Allan Peirce and A. Leuthy have been before the appraisers in Boston, asking that the 5 per cent. cash discount given by the European azalea dealers be considered in assessing the import duty and that the net price be taken as the legal valuation. Both of these gentlemen are very large importers of azaleas.

CHRYSANTHEMUM STOCK PLANTS

Polly Rose and Bonnaffon. Good clean stock \$4.00 per hundred

J. F. ERICKSON, Swampscott, Mass.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. O. WERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.

CHICAGO NOTES.

Opening of the Flower Show.

Monday morning the office of the manager of the flower show was moved from its first quarters in the Winter-son store to the Coliseum, where exhibits were fast being staged and everything made ready for the big annual event. By night the plant exhibits were mostly staged and the vast building was ready for the cut flowers to complete the picture.

The floor space this year is arranged in garden effect, differently from any previous event. The large plant beds are covered with tan bark and raised, the sloping sides and the level ground covered with sod. This alone greatly adds to the beauty of the scene as a whole. The center walk for visitors is much larger than usual, another good feature. In the center at the north end is the orchestra, instead of in the balcony as formerly, and the music will be heard much better. The south end has a scene on canvas showing an ideal house surrounded with lawn and shrubbery. Much of the material, as screens, etc., in readiness for the Land show which follows next week, has been turned to good account in the Flower show. Large quantities of wild smilax were used in festoons, etc., with the usual graceful effect. The booth where cut flowers will be sold to the public is just inside the main entrance.

The south room of the annex is partitioned off for lectures on trees, shrubs, plants, etc., illustrated by stereopticon. These lectures are listed for each evening at 8 o'clock and Thursday, Friday and Saturday afternoons at 3.30. The program is as follows:

Tuesday Evening, H. B. Dorner, subject: What Illinois is Doing for the Florists. Wednesday Evening, Jens Jensen, subject: Native Trees and Shrubs for the Home Grounds. Thursday Afternoon, John J. Davis, subject: Insect Pests of Trees and Shrubs. Thursday Evening, Howard Everts Weed, subject: The Ornamentation of the City Lot. Friday Afternoon, Mrs. A. E. McCrea, subject: Landscape Gardening. Friday Evening, Prof. J. C. Blair, subject: Ornamental Gardening. Saturday Afternoon, J. H. Prost, City Forester, subject: Tree Planting. Saturday Evening, Dr. Frank Johnson, subject: How to Care for the Trees, illustrated with specimens.

The annex is largely filled with fine exhibits of nursery stock by W. W. Barnard, Geo. Wittbold Co., F. Kadlec Nursery Co., Klehm's Nurseries and J. C. Vaughan. Lincoln and South Parks make their usual excellent exhibits of palms and decorative plants. South Park also shows a fine collection of orchids. The groups of palms and decorative plants are exhibited by the Wittbold Co., F. Oechslein and Vaughan's Seed Store. Mt. Greenwood Cemetery Association and Vaughan's Seed Store supply the large chrysanthemum plants that so delight the visitors.

The plant exhibitors from the east are Julius Roehrs Co. of Rutherford, N. J., and H. A. Dreer of Philadelphia, whose representatives, J. A. Muller and J. J. Karins, are here with specialties offered by these firms.

Several new ideas in the disposition of the cut flower exhibits will be carried out, and will be given in detail in next issue. At this writing only the plants and general arrangements are in place and these not completed.

Token of Esteem.

The Chicago Florists' Club presented

a set of gold cuff links to Harry Philpott, of Winnipeg, as a token of their appreciation of his faithful attendance. Coming so far as he does he has been at ten of the meetings during the past year and has been the means of greatly increasing the membership of the club of which he is now vice-president. He has charge of the club's flower booth at the flower show and is an active worker in whatever line seems to need him most.

Thorn Wounds.

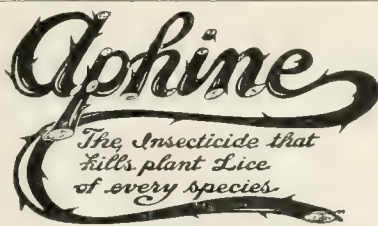
E. C. Pieser, who has been suffering with blood poisoning as the result of trying to remove a thorn from his finger with a knife, states that the physician in charge says that during the past 90 days five florists have been brought to the County hospital suffering from blood poisoning caused by chemicals used on plants. The physician states that a knife used by florists in their work becomes the means of carrying the poisonous chemical into the system, hence a serious case of blood poisoning follows a simple cut. In removing thorns use a needle which has been held in a flame an instant and put all wounds in vinegar placed on a stove and keep there as long as the heat can be endured.

Business Changes.

Mrs. Frances Gillen has bought the Geo. Weiland store, operated under the name of the Belmont Floral Co., 3210 N. Clark street, Chicago, and will make various improvements. A stock of china for florists' use will also be carried. Mrs. Gillen and her father are both florists.

The Batavia Greenhouse Co. has taken a large space in the Flower Growers' Market, occupying the entire east end where Vaughan & Sperry formerly were. They have added to their range of houses and increased their capital very materially during the past summer.

H. F. Halle has moved from his old stand on the North side to the Fuchs' place in the same neighborhood.



"Catskill, N. Y., Oct. 20, 1910.

"Aphine Manufacturing Co.,

"Madison, N. J.

"You may send me by freight another ten gallons of Aphine. I am using it altogether in my houses and find it is better than fumigating. My chrysanthemums never had as fine foliage as this year, and no insects anywhere. Aphine certainly is the best insect destroyer, while it will not hurt the plants or blooms.

Yours very truly,

HENRY HANSEN."

\$2.50 per gal. \$1.00 per quart

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California.

If your business demands a good article in lily bulbs you cannot do better than to buy **Horseshoe Brand** bulbs. They are produced by the best growers in Japan, and are positively the cream of the crop. Selected carefully, graded and packed by experienced Japanese, registered and sent to this market for those who are particular what kind they buy. Our prices for November are as follows:

FORMOSAS

Inch		Per case of
6 x 8	\$20.00	400 bulbs
7 x 9	21.00	280 "
8 x 10	21.60	240 "
9 x 10	21.00	200 "

MULTIFLORUM

7 x 9	\$16.50	300 bulbs
8 x 10	16.25	250 "
9 x 10	17.00	200 "

GIGANTEUM

6 x 8	\$20.00	400 bulbs
7 x 8	22.75	350 "
7 x 9	22.50	300 "
8 x 10	25.00	250 "
9 x 10	22.00	200 "
9 x 11	21.60	180 "

f.o.b. New York, Cincinnati or Chicago. You may have 5 per cent. for cash with order during November only. Order now for delivery from Cold Storage during 1911.

A Catalog Free



Ralph M. Ward & Co

12 West Broadway
NEW YORK

Not New Cheap
But New Good

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Princepts, extra large double-nosed bulbs, \$9.50 per 1,000.

Double Von Sion, first sized bulbs, \$9.00 per 1,000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Paper White Grandiflora, 13 c/m and up, \$9.00 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

	Per 1000		Per 1000
Chrysolora	\$7.00	Prince of Austria	12.00
La Reine	8.00	Rose Luisante	14.50
Rose Grisdelin	8.50	Vermillion Brilliant ..	18.50
Thomas Moore	8.00	Single Finest Mixed ,	
Keizerskroon	10.50	all colors, for bed-	
Mon Tresor	11.50	dling	7.50
Murillo, the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.			
Salvator Rosa , \$14.00 per 1,000.			
Gesneriana Spathulata , the true gesneriana, the finest of all late tulips, \$9.50 per 1,000.			
Double , finest mixed, all colors for bedding, \$8.50 per 1,000.			

HYACINTHS

Our stock of these will be found exceptionally fine. **Fine Named**, our selection, best sorts (For list of varieties, see wholesale list), \$4.00 per 100, \$35.00 per 1,000.

Separate Colors, single, pink, white and blue, \$20.00 per 1,000.

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.

White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips, \$8.00; case containing 1,000 pips, \$15.00.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Multiflorum, case 300 bulbs, \$13.50.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1 1/4 inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties—Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Gladiolus America, the finest of all gladioli for forcing, \$35.00 per 1,000.

Crocus, finest named varieties, \$5.00 per 1,000.

Spirea, in case lots of 100 bulbs—Gladstone, \$9.50 per case; Japonica, \$4.50 per case; Compacta Multiflora, \$5.50 per case.

For other Bulb Stock, see our complete wholesale bulb list, free on application

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
N. Y.

Lily of the Valley---Cold Storage

\$15.00 per 1000, \$1.75 per 100

ARTHUR T. BODDINGTON, Seedsman,

342 WEST 14TH STREET,
NEW YORK

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

DIRECT IMPORTATIONS

At Foreign Growers' Prices

SPRING SHIPMENT

Kentias—Made up and single, Araucarias, Bay Trees, etc., from Ghent, Belgium.
Roses, Rhododendrons, Paeonies, Boxwood, etc., from Boskoop, Holland.
French Ornamentals, Japanese Nursery Stock, Perennials, etc.

SHIPMENT FROM NEW YORK

Japanese Lilies, Giganteum, etc.

Valley Pips, Hamburg or Berlin type, all grades.

Raffia, Red Star brand and 3 other grades in bale lots, also colored.

McHUTCHISON & CO., 17 Murray St., New York

Table Ferns

2 1/2 inch pots

Extra fine and bushy stock for immediate
use, \$3.50 per 100.

H. LePAGE, Stamford, Conn.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

DREER'S PAEONIAS

READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PAEONIA CHINENSIS

	Per Doz.	Per 100	Per 1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white centre	\$1.50	\$10.00	\$90.00
Achille. Beautiful soft mauve, changing to rose tinted white.....	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late..	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading.....	1.25	8.00	75.00
Canary. Fine large early white, with creamy centre.....	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early.....	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow.....	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens.....	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering.....	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white.....	2.00	15.00	
Delachel. Amaranth red.....	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings.....	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower.....	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers.....	1.50	10.00	90.00
Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur centre.....	1.50	10.00	90.00
Hamel. Rosy carmine; fine large flower; late.....	1.25	8.00	75.00
Hamel Rosea. Deep rose.....	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower.....	3.50	25.00	

	Per Doz.	Per 100	Per 1000
Lady Bramwell. A beautiful silvery-rose; of large size and fine form.....	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering..	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy-white.....	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border.....	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white.....	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3.50	25.00	
Mme. Crousse. Cream guard; blush-white centre; tinted violet.....	3.50	25.00	
Paganini. Light solferino-red with lighter centre.....	1.50	10.00	90.00
Pomponia. Guard petals rosy mauve; primrose-yellow centre, changing to creamy white.....	1.50	10.00	90.00
Queen Victoria. A good early white....	1.50	10.00	90.00
Reine des Fleurs. Rosy pink.....	2.00	15.00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3.00	20.00	
Victoire Modeste. Blush rose and white....	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow.....	1.50	10.00	90.00
Whitley. An old-time favorite white cut flower variety.....	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose.....	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts.....	.75	5.00	40.00
Double Red. Mixed sorts.....	1.00	7.00	50.00
Double Mixed. All colors.....	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white.	1.50	10.00
Officinalis (Mutabilis) Rosea. Soft bright pink.....	1.50	10.00
Officinalis Rubra. Crimson.....	1.00	7.00
Tenuifolia flore plena. Crimson.....	3.00	20.00

Write for special quotations on large quantities. Our Fall wholesale list has been mailed to florists and nurserymen. If you have no copy, write for it.

HENRY A. DREER, Inc., = Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

In ordering goods please add I "saw it in HORTICULTURE"

HOLLY FERNS

Pteris Wilsoni, Victoriae, Wimsetti cretica, Aspidium tsussemense, etc.

Fine, bushy plants. 2 in. pots, in assortment, packed to reach you in perfect condition, \$3.00 per hundred. Cash or satisfactory references please.

R. G. HANFORD, Norwalk, Conn.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DANLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Seed Trade

About Peas.

The situation regarding peas does not loosen up any, and for that matter is not likely to this season, at least to any marked extent. If any of the seedsmen are waiting for lower prices before buying such varieties as are being offered, they are doomed to disappointment. As a matter of fact, we are reliably informed that a certain large wholesale house which has been offering some three or four varieties of dwarf peas has become so nearly sold up that they have advanced prices from 50c. to \$1.00 per bushel over their opening figures and will accept orders now only in very limited quantities. As for there being any chance of any of the large podded varieties cropping up later in the season, any one entertaining such a delusive hope had better face the facts at once, for we do not hesitate to predict that none of these varieties will be for sale in quantities this year—not unless in the remote event of some one of the seed growers' deciding to sell his seed stocks at the present high prices and retire. Reference is made to this possibility because we learn that there is just a chance of such an event. It seems strange that any seedsmen knowing the present scarcity would refuse to buy good reliable pea stocks simply because the prices seem rather high. Last year we are informed, some of the seedsmen would not buy certain varieties of the dwarf peas because they thought the prices were too high when, as a matter of fact, we were informed that they could have bought several different varieties at prices ranging from \$4.50 to \$5.00. There were instances where these dealers were compelled to turn away retail customers who wanted to buy in such small quantities as pints and quarts. This with a full knowledge of the fact that they could procure the varieties at any time at very reasonable figures. This may be good business but we are unable to see it that way.

Owing to the great scarcity of the large-podded varieties, it seems to us that the only possible substitutes are such varieties as Notts' Excelsior, Gems, Advancers and Horsford's Market Garden, provided they can be procured. As we understand the situation, varieties like Everbearing, Yorkshire Hero and other half dwarf varieties, are just about as hard to procure as the large-podded sorts, therefore the seedsmen can find no relief by using these. Take it altogether, it looks as if it would be good business to secure any variety of garden peas which may be offered at reasonable prices now.

Bean Prices.

Although beans promise to be a fairly good crop, prices seem to hold rather high. We understand that Red Valentine will be somewhat short and learn that one or two growers who are able to offer moderate surpluses of these are holding them at \$3.75 and \$4.00, while the common green-pods are held by growers at from \$3.25 to \$3.75. The stringless green-pods will be short and very few are being offered by either growers or dealers. As regards wax-pod varieties, these are be-

ing quoted from \$3.50 to \$5.00, according to variety. Whether these prices will be maintained or whether there will be a break to lower levels, is something we would not venture to predict, but following the usual course of events, there is likely to be a break in prices towards spring, such as is usually the case where prices are firm and high early in the season, and when, as in the case of beans, there is a liberal stock to meet requirements.

Contract Growing Prices on Peas.

Contract-growing prices on peas of the 1911 crop will doubtless show a marked advance over those of 1910. For several years each one succeeding has given us smaller crops and higher prices, the crop of 1910 being in great degree a failure while prices on the 1911 crop will be higher than have been paid by the trade in many years. The seedsmen and canners will not be pleased with these conditions, and will grumble at the seed grower, but if they will place themselves in the latter's position, and take into account the value of the seed which he puts in the ground each year, and the wretchedly disappointing returns, each of the several last seasons showing an actual loss to most of the growers, they will appreciate that the attitude of the growers is not unreasonable but is based on the necessity for self preservation. Each succeeding poor crop discourages the farmers; makes them reluctant to plant peas, and they can only be induced to do so by the offer of a liberal advance over the preceding year. This advance cannot be borne by the seed grower, consequently he in turn must advance his price to the seedsmen and the canner, and it is only fair to say that even at the high prices which were ruling this year the seed grower is making less money than when peas were selling at from 50c. to \$1.00 per bushel lower. It will take several good years to make up for the past several bad ones, and the seed grower is certainly justified in asking every penny that he will for the crop of 1911. Many have been in this business the greater part of a life time and they have very little to show for their lives' work excepting a comfortable living. Considering the investment required and the great uncertainties of

FOR EASTER

SOW NOW

Michell's Flower Market Stock

*The stock every good florist knows
Nothing better for cutting*

	$\frac{1}{2}$ Trade Pkt.	Trade Pkt.	Oz.
Colors: White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red }	.30	.50	\$3.50
Mixed Colors (every shade known)	.30	.50	\$3.50

HENRY F. MICHELL CO.

Now at 518 Market Street,

PHILADELPHIA

the business, it surely is not very attractive to a man who wants to acquire wealth rapidly. No one with this ambition should engage in any department of the seed business, and particularly the growing of peas and beans.

Notes.

New York, N. Y.—W. Russell, formerly with W. W. Rawson, Boston, is now employed by Arthur T. Boddington.

Indianapolis, Ind.—The Warren Seed Co. has purchased the business of George Swain and will continue it along the same line.

Sacramento, Calif.—The Valley Seed Co. has been incorporated to buy, sell and deal in seeds, fertilizers, bulbs, vegetables, etc., capital stock \$10,000. Incorporators: W. A. Ward and F. O. Ward, of Sacramento, G. W. Thomas, of San Francisco.

Lincoln, Nebr.—A new warehouse and office building to be erected on the site of the warehouse burned last summer has just been started by the Griswold Seed Co. It is to be three stories and basement in the front and five stories of elevator structure in the rear. The estimated cost, including machinery to be installed, is between \$35,000 and \$40,000. The local office and retail store will still be retained.

Gunnison, Utah, Oct. 27.—The alfalfa seed business in the Gunnison valley has been very lively during the past two days. Last evening 11 buyers were registered at the hotels in Gunnison, and all are trying to secure the entire lot. It is thought there are about 20 cars for sale and it looks as though the farmers will get their own price, 14½ cents being offered. It is thought that before long over 15 cents will be given.

VEGETABLE PLANTS

	Per 100	Per 1000
CABBAGE —Wakefield and Succession.	20c.	\$1.00
LETTUCE —Grand Rapids, Big Boston, Boston Market and Tennis Ball.	20c.	1.00
PARSLEY —	30c.	1.25
R. VINCENT, JR., & SONS CO.		
White Marsh, Md.		

FOTTLER, FISKE, RAWSON CO.**BULBS****For Forcing or Planting Outside****A Complete Stock**

Write us for prices.

Fottler, Fiske, Rawson Co. Faneuil Hall Square, also **Boston, Mass.**
26 South Market Street

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET **CHICAGO****Bulbs Selling
Rapidly**

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next spring, place your order of bulbs with us this fall. **DO IT NOW.** They will be sold out a little later.

James Vick's Sons
Rochester, N. Y.**Burpee's Seeds**
PHILADELPHIABlue List of Wholesale Prices mailed
only to those who plant for profit.**PANSY SEED**Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50, 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg.,
PHILADELPHIA, PA.**S. D. WOODRUFF & SONS**
Seed GrowersDealers in Garden, Field and Flower Seeds.
CATALOGUE and SPECIAL QUOTATIONS.**82 and 84 Dey St., NEW YORK**

ORANGE, CONN Warehouse, QUEENS, L. I. Tel. N. Y., 7573 Cortlandt

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kafir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed,	Red Bird Millet, \$2.50
\$2.62	Per Bush.
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent.—10 days 60 days net
All in original bags weighing 25 lbs. which are
weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, MD.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.**NEW CARLISLE, O.**We grow all the standard varieties of
field corn. Write for wholesale prices.**Braslan Seed Growers Co.**

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.**SAN JOSE, CALIF.****CAULIFLOWER
CABBAGE**MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.**QUALITY SEEDS
BULBS PLANTS**SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
342 West 14th St., New York.**FOR THE
NATIONAL FLOWER
SHOW**or any other event where special
grade is wanted**We Have a Line**of about 25 varieties of the best
FORCING HYACINTHS, mammoth
bulbs, specially selected.**New Crop Sweet Peas**All the the new and desirable forc-
ing varieties, Spencer and Grandi-
flora types.Send for Catalogue. You'll find it
useful.**"BUDS"****CARL R. GLOECKNER, Pres.**
76 Barclay St., New York

ESTABLISHED 1820

**Thorburn's
Bulbs****For Florists for forcing at low prices in
cases only.****Lilium Formosum**, 6-8,
350 in case @ \$3.00 per 100**Lilium Formosum**, 7-9
250 in case @ 5.50 per 100**Also Lilium Harrisii**, all sizes—
Send for prices per 1000**Paper White Grandiflorus Narcissus**, 13 cm and
up @ \$7.50 per case of 1000 bulbs.
A few cases left.**J. M. THORBURN & CO.**
33 Barclay Street
NEW YORK**FRENCH and DUTCH
BULBS****For Prompt Shipment**
Price list free on request.**Joseph Breck & Sons Corp.**
47-54 No. Market St., BOSTON, MASS.**White French Romans**
12 to 15 ctm. Surplus Stock. Write for Prices.**The W. W. Barnard Co.**
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write**CHOICE SEEDS****FOR PRESENT PLANTING**
Stocks, Asters, Chinese Primulars,
etc.**THOMAS J. GREY CO.**
32 South Market Street, Boston, Mass.**BRIDGEMAN'S SEED WAREHOUSE****RICKARDS BROS.****Props.**
37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
98 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Cedar Falls, Ia.—F. W. Fagan has
discontinued his florist business here.

Milwaukee, Wis.—M. Droppers has
purchased the stand of Miss Weigel,
Pfister Hotel.

Hampton, Ia.—A large storage room
has been added to the equipment of
the Curtis Floral Co.

Erie, Pa.—Chester A. Harris is now
in the employ of J. V. Laver. He
was formerly with P. R. Quinlan,
Syracuse, N. Y.

Detroit.—Business is keeping up at
a very satisfactory gait. There is some
accumulation of chrysanthemums, but
mostly on account of inferior quality;
the best are sold as soon as they ar-
rive. Double violets have been quite
generally discarded in favor of the

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Nov. 16

Atlantic Transport.

Mesaba, N. Y.-London...Nov. 12

Minnetonka, N. Y.-London...Nov. 19

Cunard.

Lusitania, N. Y.-Liverpool...Nov. 16

Ivernia, Boston-Liverpool...Nov. 22

French.

La Lorraine, N. Y.-Havre...Nov. 17

Hamburg American.

Pennsylvania, N. Y.-Hamburg...Nov. 12

Bluecher, N. Y.-Hamburg...Nov. 19

Holland-American.

Noordam, N. Y.-Rotterdam...Nov. 15

Rotterdam, N. Y.-Rotterdam...Nov. 22

North German Lloyd.

K. Luise, N. Y.-Mediterranean Nov. 12

Kronp. Cecille, N. Y.-Bremen...Nov. 15

P. F. Wilhelm, N. Y.-Bremen...Nov. 17

Berlin, N. Y.-Mediterranean Nov. 19

Geo. Wash'ton, N. Y.-Bremen...Nov. 22

Red Star.

Lapland, N. Y.-Antwerp...Nov. 9

White Star.

Cedric, N. Y.-Liverpool...Nov. 12

Romanic, Boston-Mediterranean Nov. 12

Zeeland, Boston-Liverpool...Nov. 15

Adriatic, N. Y.-Southampton Nov. 16

Arabic, N. Y.-Liverpool...Nov. 19

single violets and it is wonderful how
quick the cry for double violets ceases
as soon as the abundant fragrance of
the single violets becomes known.

Wilmington, Del.—G. C. Boyd's new
store on Delaware avenue is worthy
of the man and worthy of the metrop-
olis of the state of Delaware. We ex-
tend our congratulations and hope he
may live long and prosper. It is a
very handsome store in the center of
the city and we understand that Mr.
Boyd owns the new building and has
had the new store built to his own
specifications. The old store at Second
and Walnut was good in its day but
it has been outgrown.

John Breitmeyer's Sons have opened
a small but very well appointed branch
store at Woodward and Grand River
avenue, Detroit.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS

The
FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

NEW FLOWER STORE.

Warren, Pa.—J. D. Woodard.
Lancaster, Pa.—Miss L. H. Dun-dore.
Marion, Ind.—Marion Floral Co., Adams street.
Salt Lake City, Utah.—Thomas Hobday, State street.
New York, N. Y.—Adolph Meyer, 1064 Madison avenue.
Chicago, Ill.—Chicago Ave. Floral Co., 3435 W. Chicago Ave.
New Orleans, La.—J. C. Quinette, 727 Common street, to be known as the Floral Shop.
Baltimore, Md.—M. Richmond & Son, 807 No. Howard street, Samuel Richmond, manager.

It is said that the committee of creditors who have been negotiating towards a settlement of the W. E. Doyle failure in Boston, are considering a proposition to accept 30 per cent. in cash.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 **SEATTLE, WASH.**
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

CINCINNATI NOTES.

Wm. Murphy visited Indianapolis and Chicago this week.

George Berner formerly with the Avondale Floral Co. has opened a store at 4143 Reading Road, Avondale.

Mrs. Thaden, formerly with the Tromeys Flower Shop, has embarked in business on her own accord and has established a store at 807 Main street.

C. R. Richter, who was in the wholesale business for a very brief period a couple of years ago, has recently opened a retail store at 1213 Central avenue.

Visitors in town: Chas. Dudley, of J. W. Dudley & Sons, Parkersburg, W. Va.; G. Reising, representing L. Bauman & Co., Chicago, Ill.; Mr. Miller, with The Skidelsky-Irwin Co.

NEWS NOTES.

Detroit.—Persistent rumor has it that Mr. Schroeter has leased 35 feet frontage opposite his present store on Broadway and that he will remodel the building now standing there during the coming summer.

Kansas City, Mo.—On Monday, Tuesday and Wednesday of this week Samuel Murray's beautiful new store at 913 Grand Avenue was the centre of interest for throngs of people, including the elite of Kansas City, in response to the announcement of its opening with a flower show on those dates. The enterprising proprietor and his able assistants never do things by halves and the occasion was easily the great event of the opening season.

New York City.—The Kervan Co. are moving into their new quarters this week, and will now have the best equipped establishment in the country devoted to florists' greens and products of the wildwoods. The entire building at West 28th street has been remodeled and fitted up at a cost of many thousands of dollars. An immense cold room, 15x48 and 12 ft. high, with heavy concrete floor, is so constructed that any degree of cold, down to zero, can be attained and maintained by the ammonia system. On the first, or basement, floor a smaller room 15x15 has been similarly fitted up for supplies as wanted daily. On this floor the refrigerating machinery has been installed. Messrs. Kervan and the interests to which they cater are to be congratulated on the enterprise shown in this move.

PHILADELPHIA NOTES.

The Leo Niessen Co. are making a specialty this season of the "Mexican Ivy," from the Pacific Coast. Splendid for designs, corsage bouquets, or solid wreaths, and cheap—something like seven fifty a thousand sprays and keeps well.

We are pleased to announce that our "king of palm growers," Joseph Heacock, president of the Philadelphia Florists' Club, has had another honor thrust upon him, namely, Senator from Montgomery County to the State Legislature. It is good to see a business man go up to Harrisburg once in a while. There are far too many young lawyers there. They are all smart lads; but as the Dutchman said, "They don't know noddings."

Visitors: Thomas J. Grey, Boston; J. C. Comont, London, England; Alex. Montgomery, Natick, Mass.; M. Brown, Cottage Gardens, Queens, L. I.; Wallace R. Pierson, Cromwell, Conn.; W. Nicholson, Framingham, Mass.; Mrs. E. A. Williams, Pittsburgh, Pa.; Henry S. Dawson, Eastern Nurseries, Jamaica Plain, Mass.

G. C. W.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
New York—International Floral Asso., 2328 Broadway.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

BEAUTIES

THE BEST, \$4.00 per doz. Special price in quantity.
MEDIUM, \$1.00-\$2.50 per doz.

GARDENIAS

\$2.00-\$4.00 per doz.

MIGNONETTE

\$4.00 per 100.

BOXWOOD

50 lb. crates, 15c. per lb.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33- 5-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 8		Nov. 8		Nov. 8		Nov. 9	
ROSES								
Am. Beauty, Fancy and Special..	25.00	to 30.00	28.00	to 35.00	22.00	to 30.00	15.00	to 25.00
" Extra	20.00	to 25.00	20.00	to 25.00	15.00	to 18.00	10.00	to 15.00
" No. 1	15.00	to 20.00	10.00	to 20.00	10.00	to 12.00	6.00	to 8.00
Lower grades	10.00	to 15.00	5.00	to 10.00	5.00	to 8.00	1.00	to 3.00
Bride, 'Maid, F. & S.	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	2.00	to 4.00
Lower grades	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	.50	to 1.00
Killarney, Richmond, Fan, & Sp..	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00
Lower grades	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00	1.00	to 2.00
Maryland, Chateauf, Fan, and Sp.	4.00	to 6.00	6.00	to 10.00	6.00	to 10.00	3.00	to 6.00
Lower grades	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00	1.00	to 2.00
CARNATIONS, First Quality..								
Ordinary	3.00	to 4.00	2.00	to 3.00	2.50	to 4.00	2.00	to 3.00
" Ordinary	2.00	to 3.00	1.00	to 2.00	1.00	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	30.00	to 60.00	60.00	to 75.00	25.00	to 40.00
Cypripediums	16.00	to 20.00	16.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Lilies, Longiflorum	10.00	to 12.00	12.50	to 15.00	10.00	to 12.00	8.00	to 12.00
Lily of the valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	1.00	to 1.00	.75	to 1.00	.75	to 1.00	.50	to .60
Chrysanthemums, Fancy Blooms ..	6.00	to 2.00	15.00	to 25.00	15.00	to 20.00	15.00	to 20.00
Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Daisies	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snapdragon	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Sweet Peas	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Gardenias	25.00	to 30.00	20.00	to 30.00	12.50	to 25.00	8.00	to 10.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	75.00	to 75.00	45.00	to 60.00	3.00	to 50.00	50.00	to 50.00
" " & Soren (100 bchs.)	25.00	to 35.00	25.00	to 35.00	35.00	to 40.00	35.00	to 40.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE

GROWER of

CUT FLOWERS

HOERBER BROS.,

51 Wabash Ave.,
CHICAGO, ILL.

Cut Flowers ALWAYS GOOD.
FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

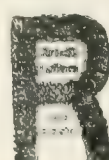
Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers



KWICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



Illustration shows one of our "Carnation Specials" ready to go out. These specials are designed as Opportunities for Live Business Men. Wonderful Values.

CARNATION SPECIAL

500 of our best quality, our selection, \$2.00 per hundred

CHRYSANTHEMUMS.

Some of the best keepers and sellers of the season are coming in now, compact, good handlers, ones that stand a certain amount of abuse, such as Bonnafton, Eaton, Chadwick and lots of other varieties, equally as good.

Medium	\$6.00	\$8.00	\$10.00
Fancy	12.00	15.00	
Extra Select	20.00	25.00	

Try one of our \$10.00 assorted boxes of either medium or fancy Chrysanthemums, splendid values, a trial order will bring future orders.

RIBBONS AND SUPPLIES OF ALL KINDS.

S. S. PENNOCK-MEEHAN CO.,

PHILADELPHIA, 1608-1620 Ludlow Street

WASHINGTON, 1212 New York Avenue

The Wholesale Florists of

CATALOGUE ON REQUEST.

PHILADELPHIA

NEW YORK, 109 West 28th Street



ADIANTUM HYBRIDUM	\$1.00 per 100
VALLEY, Special	5.00 per 100
Extra	4.00 per 100
First	3.00 per 100
WHITE LILAC, Extra Fine Sprays	1.50 per bunch
We are now booking orders for Robert Scott & Sons new roses.	Per Doz. Per 100 Per 250 Per 1000
Melody, own root	\$6.00 \$30.00 \$70.00 \$250.00
Double Killarney, own root	3.00 20.00 150.00

For grafted add \$5.00 per hundred on Melody and \$10.00 per hundred on Double Killarney. 2½ inch, March delivery.

Flower Market Reports.

BOSTON

This market is making much better daily clearances than was the case last week. In fact, the demand for chrysanthemums, roses and carnations is brisker than at any time during the past three weeks. The receipts of chrysanthemums are very heavy, the call being more active on the medium grades than for the extra fine quality blooms or the lower grade stock. Roses are of excellent size and finish now, but many growers are off crops and there is no longer the heavy overstock which existed during October. Carnations are also good, but prices remain rather low for the season. Lilies are selling well. Violets are improved both in quality and demand, the single ones leading in popularity. Cattleyas come in freely and find a fair outlet.

Complaint cannot be made that business was dull the past week; although no special rush existed trade was quite satisfactory. Early chrysanthemums are about over and the market is much clearer than a week or two ago. Some choice stock was had and it was consumed quickly. Pompons in various colors were in good supply, the yellow and bronze being the best sellers. Carnations are improving daily in quality. Roses have also been in good supply, including some choice Radiance and Beauties of superior quality. The demand has been good on all other stock. Greens in good supply.

Complaint cannot be made that business was dull the past week; although no special rush existed trade was quite satisfactory. Early chrysanthemums are about over and the market is much clearer than a week or two ago. Some choice stock was had and it was consumed quickly. Pompons in various colors were in good supply, the yellow and bronze being the best sellers. Carnations are improving daily in quality. Roses have also been in good supply, including some choice Radiance and Beauties of superior quality. The demand has been good on all other stock. Greens in good supply.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

ROSES	CINCINNATI Nov. 8	DETROIT Nov. 8	BUFFALO Nov. 8	PITTSBURG Nov. 8
Am. Beauty, Fan. and Sp.	15.00 to 20.00	10.00 to 35.00	20.00 to 25.00	20.00 to 25.00
Extra	10.00 to 15.00	15.00 to 30.00	15.00 to 20.00	14.00 to 18.50
No. 1	6.00 to 10.00	2.00 to 25.00	7.00 to 10.00	10.00 to 12.00
Lower grades	3.00 to 6.00	6.00 to 15.00	4.00 to 6.00	4.00 to 8.00
Bride, 'Maid, F. & S.	4.00 to 6.00	6.00 to 8.00	7.00 to 8.00	6.00 to 8.00
Low. gr.	2.00 to 4.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp.	2.00 to 4.00	6.00 to 8.00	7.00 to 8.00	6.00 to 8.00
Lower grades	1.00 to 2.00	4.00 to 6.00	2.00 to 4.00	3.00 to 4.00
Maryland, Chateauf, Fan. and Sp.	4.00 to 6.00	6.00 to 8.00	3.00 to 8.00	6.00 to 8.00
Lower grades	2.00 to 4.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
CARNATIONS, First Quality	..... to 2.00	3.00 to 4.00	2.50 to 3.00	2.00 to 3.00
Ordinary	1.00 to 1.50	1.50 to 2.50	1.50 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	..... to 60.00	..... to 60.00	40.00 to 50.00	50.00 to 75.00
Lilies, Longiflorum	6.00 to 8.00	..... to 15.00	8.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets	.20 to .35	.50 to .75	.60 to .75	.50 to .75
Snaptagon	1.00 to 4.00	.50 to 1.00	..... to .....	..... to
Chrysanthemums	2.00 to 20.00	15.00 to 25.00	6.00 to 20.00	6.00 to 20.00
Gardenias	..... to .....	..... to .....	..... to .....	..... to
Adiantum	..... to 1.00	1.00 to 1.50	.75 to 1.25	..... to 1.00
Smilax	10.00 to 12.50	..... to 15.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	..... to 25.00	20.00 to 40.00	40.00 to 60.00	30.00 to 50.00
" " & Spreng. (100 bchs.)	..... to 25.00	20.00 to 40.00	35.00 to 50.00	30.00 to 50.00

The market varies from day to day, with too many chrysanthemums as a usual feature. Prices are not satisfactory to the grower and frequently not to the retailer. Over production and the tendency to have them in the market all summer have taken away the old time enthusiasm of the buyers for the once so popular fall flower. Everything cleaned up on the first Saturday of the month, but it was not done in a way to put a great deal of money into the pocket of the average dealer. The big social events are swinging away from the big showy blooms to the more modest flowers.

Roses are not too plentiful at this writing. Carnations are also in much demand and the price is held steadily at a good figure. The cool pleasant weather is just what violets needed and they are again meeting with favor and the same is true of the sweet peas.

There was a slight improvement in the cut flower market the past week. The activity shown on Monday continued through Tuesday and Wednesday. Business was rather quiet Thursday and Friday and the wind up was very good, all stock

(Continued on page 679)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55] & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes The HOME OF THE LILY
by the 100, 1000 or 10,000
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone-3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS

Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.

J. K. Allen, 106 W. 28th St., New York Phone 167-4468 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 5 1910		First Half of Week beginning Nov. 7 1910	
American Beauty, Fancy and Special.....	15.00	to 25.00	25.00	to 30.00
" " Extra.....	8.00	to 12.00	8.00	to 18.00
" " No. 1.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Maid, Fancy and Special.....	2.00	to 4.00	3.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 2.00
Killarney, Richmond, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
My Maryland, Chateau, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 3.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York

Telephones {1664 {1665} Madison Square

CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe
Preserved and Fresh cut
Cycas and Palmetto.
Tel. {1519 {5893} Mad. Sq. 113 W. 28 St., New York.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments Telephone 3559 Madison Sq

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

Flower Market Reports

(Continued from page 677)

cleaning up with exception of white roses. In chrysanthemums the demand was mostly for small and medium grades. Fancy blooms had to be sacrificed to make sales, as the flower buying public do not seem willing to pay the price. The market on Beauties was very weak and prices comparatively low. The demand for select pink teas was very consistent and very little if any call for white roses. Carnations have slackened up considerably, prices advancing accordingly. Violets are improving in quality and sell fairly well. Lily of the valley in fair supply and demand. There is very little request for Liliun longiflorum. Green goods in good supply.

NEW ORLEANS After a long dull summer, with lots of expenses incurred to keep going, the avalanche of business that comes on Nov. 1st, is welcome to the florist, and is needed to bring things back to a healthy condition. With ideal weather prevailing, All Saints' day this year proved to be the greatest we have ever experienced. Tremendous quantities of flowers were sold, the demand being especially great for select stock, this being particularly the case with chrysanthemums. There was a scarcity of the best grade grown at home, which was supplied from outside sources. Outdoor sweet peas and violets are making their appearance, and the prospects for a good crop of mid-winter sweet peas is good. We grow these outdoors without any protection.

NEW YORK Since our report of last week there has been a slightly improved turn in the flower market for which we must thank the weather more than anything else. The cut on many things is materially reduced and on the other hand the public are more disposed to buy. Chrysanthemums still monopolize the middle of the road and take the lead in sales not only to the high-class dealers, but to the medium and the street trade as well, and the quality is good all along the line. Roses are not being received so heavily; quality is excellent for the season. Carnations are too abundant for the call and will undoubtedly suffer in this respect until the chrysanthemum avalanche has passed. Orchids are firmer, the heaviest crop of cattleyas having been cut. Violets show improvement in quality and sales, due to the more favorable weather. The expressmen's strike has been a severe

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 5 1910		First Half of Week beginning Nov. 7 1910	
Cattleyas.....	30.00	to 40.00	30.00	to 40.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.35	to .50	.35	to .60
Snapdragon.....	1.00	to 3.00	1.00	to 3.00
Chrysanthemums.....	4.00	to 25.00	4.00	to 25.00
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 10.00
Asparagus Plumosus, strings.....	15.00	to 35.00	.....	to 25.00
" " & Spren. (100 bchs).....	10.00	to 25.00	15.00	to 20.00

experience for the flower trade and all are anxious to see its termination.

PHILADELPHIA

The general tone of the market was sluggish all along the line last week. This was consequent partly on the bad weather in the middle of the week and partly on the long continued outdoor season, with a plethora of dahlias and other outdoor subjects. But by Friday and Saturday there was a change and things began to pick up, notwithstanding the rainy weather—and the week finally wound up in a fairly good clean-up. The new week starts out in brisk style, and we seem to have escaped from the doldrums for the time being. The American Beauty market is holding up fairly well. There are enough flowers to go around, of fine grade. Other roses are now selling a little better; but on the whole they have been anything but brisk. White roses especially, have been on the sluggish list. The new yellow Dickson, "Melody," has now been on the market two weeks, and has been grabbed up soon as offered. All the eyes are cut out of the wood of this new rose, of course—so there is little chance for the smart lad that would make cuttings for next spring. Jardine is in; but it is not topnotch as yet, although pretty good considering the season. Carnations were rather draggy until the last two days. The aristocrats this week are Alma Ward, Mrs. Ward, and O. P. Bassett; the latter claimed by Raymond Kester of Pennock Bros. to be one of the best keepers in the list. Chrysanthemums are in their glory now; but sales hang fire, and it must be confessed that prices do not average as good as in previous years. The dahlias and other outdoor subjects hung on too long for a good healthy chrysanthemum season. Gardenias, orchids, lily of the valley, lilies, lilacs, etc., are in good demand, and cleaning up fairly well.

IN BANKRUPTCY.

Louisville, Ky.—The Anchorage Rose Co. has filed a petition in bankruptcy. It is to be re-established and set upon a working basis by order of the court. Charles W. Reimers has been appointed manager and will assume his duties at once.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

E. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nana.
For page see List of Advertisers.
Asparagus Sprenger, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. **Luther Maynard**, R. 13, Knoxville, Tenn.
Asparagus Sprenger, 3 in., strong, \$3.00 per 100. **The Schafer Estate**, Ballston Spa, New York.
Asparagus Sprenger, strong, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.
Asparagus plumosus, extra fine 3-in., 5c. You will have to hurry and order, they won't last long at this price. Nice plants. **H. M. Humfeld**, Frankfort, Ind.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BASKETS

The Raedlein Basket Co., Chicago, Ill.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. **Julius Roehrs**, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. **Lord & Burnham**, 1133 Broadway, N. Y.
Kreesehell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Philox Manuals, 25 cts. each in Stamps. **C. S. Harrison**, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. **Julius Roehrs Co.**, Rutherford, N. J.

BOXWOOD SPRAYS

BOXWOOD SPRAYS—Packed only in 50 pound crates. Can furnish either long or short branches of the hedge or tree varieties. **Jones, The Holly Wreath Man**, Milton, Delaware.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Saab and Frame. **Lord & Burnham Co.**, 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
Dutch and French Bulbs.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.
Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.
Wm. Elliott & Sons, New York, N. Y.
Bargains in Bulbs

CACTI

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. **The Francis E. Lester Company**, Dept. 10, Mesilla Park, N. M.

CANNAS

CANNAS—Best sorts, big stock. Send for list. **C. Betscher**, Canal Dover, O.

CANTERBURY BELLS

Carl Hagenburger Co., West Mentor, Ohio.
Pot Grown.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
Carnation plants, field-grown, **Mrs. Thos. W. Lawson**, \$5.00 per 100. **Harlowarden**, \$4.00 and \$3.00 per 100. Cash with order. **M. J. Schaaf**, Dansville, N. Y.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. **I. L. Pillsbury**, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by **Horticulture Publishing Co.**, 11 Hamilton Place, Boston.
STOCK PLANTS OF CHRYSANTHEMUMS.
Golden Glow, can ship at once. Will have the following varieties: **Polly Rose**, **Monrovia**, **Mrs. Robinson**, **Dr. Enguehard**, **Pink and White Ivory**, **Yellow and White Eaton**, **Lincoln**, **V. Poehlmann**; \$1.00 per dozen, \$5.00 per 100. Satisfaction guaranteed. **Brant Bros., Inc.**, Utica, New York.
CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$20.00 per 1000 assorted. **POEHLMANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KELLEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. **J. W. Miller**, Shiremanstown, Pa.
Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. **Parks & Schaufelberger**, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
Coleus, 2½ inch, \$15.00 per 1000. **R. C.**, \$4.00 per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

OUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co.**, Milwaukee, Wis.

For List of Advertisers See Page 685

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co. 1188 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.

For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.

For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE

Sidis Institute, Portsmouth, N. H.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co. 1188 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1188 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope; rooted cuttings, dark colors, \$1.25 per 100; \$10.00 per 1000. Cash. Stephen B. Hoyt, New Canaan, Conn.

Heliotrope, rooted cuttings, 100 prepaid 75c; 1000 \$6.50. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.

HOLLY

HOLLY—Extra selected stock cut to order. Place your orders early. Jones, The Holly Wreath Man, Milton, Delaware.

HOLLYHOCKS

A. L. Miller, Brooklyn, N. Y.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1188 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

Field-grown Hydrangea Otaksa, 6 crowns or more, \$10.00 per 100. The Schafer Estate, Ballston Spa, New York.

HYDRANGEAS.

10,000 Hydrangea Otaksa, pot grown, 4 in. \$8.00 per 100; 3 in. \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotinide kills all greenhouse pests. P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.

Kiln-dried Tobacco Dust.

For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.

For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

For page see List of Advertisers.

Wm. Elliott & Sons, New York, N. Y.

Spraying Compound.

For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

Boblink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Field-grown English Ivy, ready for 4 and 5-inch pots, 2½ to 3 ft., 2 to 5 breaks, "heavy stock," \$7.00 per 100, \$65.00 per 1000. Leonard Long, Oakhurst, N. J.

Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c; 1000 German, \$1.00. Chas. Frost, Kenilworth, N. J.

A. L. Miller, Brooklyn, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them, 4 in., \$15.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100. cash. F. Sokol, Worcester, Mass.

Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 prepaid 75c; 1000 \$6.50. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

F. B. Pierson Co., Tarrytown-on Hudson, N. Y.

For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.

For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.,

West Newbury, Mass.

For page see List of Advertisers.

The F. E. Conine Nursery Co.,

Stratford, Conn.

Specimen Trees, Evergreen and Deciduous.

For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.

New and Rare Shrubs and Vines.

For page see List of Advertisers.

Daniel A. Clarke, Fiskeville, R. I.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SEED

1000 LBS. ONION SEED.

At wholesale price, large or small lots.
E. L. CARLE, GENEVA, OHIO.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordones Bros., Madison, N. J., Box 100.
For page see List of Advertisers.

Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1183 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PANSY PLANTS

Pansy plants of my largest flowering mixture of show varieties, unsurpassed quality, good size stocky plants, \$3.00 per 1000; 5000 lots, \$2.50 per 1000. Gustav Pitzonka, Pansy Farm, Bristol, Pa.

Pansy plants, N. Y., Giant Market and Giant Paris Market. Fine plants, \$2.50 per 1000. Miss Alicia Fowler, Union City, Ind.

Pansy Plants, none better at any cost, \$2.50 per 1000; \$10.00 for 5000. J. C. Schmidt, Bristol, Pa.

Kenilworth giant pansies, 100 prepaid 50c; 1000 \$3.00. Chas. Frost, Kenilworth, N. J.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in. \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

H. A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's) mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula Obconica, Pink, Lavender and Baby Primrose, 2½ in. pots, \$1.50 per 100. Satisfaction guaranteed. Binghamton Seed Co., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 486 Erie St., Chicago
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1183 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100. The Storrs & Harrison Co., Painesville, O. 20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 inch, \$4.00 per 100; 4 inch, \$7.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

Henry F. Michell Co., Philadelphia, Pa.
California Privet.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

M. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Brasilan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

Seed, Lobelia cardinalis, for sale, 1910 crop. For prices apply to John Tiplady, Lake Forest, Ill.

SMILAX

Smilax, 2 in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SNAPDRAGONS

Snapdragons, 2-in. pots, Golden Yellow, Coral Red, Rose, Ruby Red, Rose-pink and White, best varieties and novelties for forcing, \$2.50 per 100, \$22.50 per 1000. Dinstel Bros., 1851 No. 62nd Ave., Chicago.

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum Moss per bale 75 cents, 10 bales \$6.50. Cash with order. Chas. F. Uecke, New London, Wis.

STRAWBERRIES

Wanted: Pan American strawberry vines and Chrysanthemum cuttings. Emlyn Nurseries, 43 Whiting St., Lynn, Mass.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

VINOAS

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

VIOLET BLOOMS.

Marie Louise violet blooms, good stem and color, \$1.00 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 28-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100. The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Peehimann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 218 Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Plerson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 88 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

For page see List of Advertisers.

M. C. Ford, 121 W. 28th St., New York.

H. E. Froment, 57 W. 28th St., New York.

M. C. Horan, 55 W. 28th St., New York.

A. H. Langjahr, 55 W. 28th St., New York.

James McManna, 42 W. 28th St., New York.

W. F. Sheridan, 138 W. 28th St., New York.

Moore, Hents & Nash, 55 and 57 W. 26th St., New York.

August Millang, 41 W. 28th St., New York.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

A. L. Young & Co., 54 W. 28th St., N. Y.

J. K. Allen, 106 W. 28th St., New York.

Charles Millang, 55 and 57 West 26th St.,

**The Real Question**

is not whether plant-foods are necessary, but how to make them pay best.

**POTASH**

They will always pay if you use the right kind, in the right amounts, in the right way.

True conservation means proper return to the soil.

Every farmers' meeting should consider this matter, but get *facts*—not *theories*. Find out what will give you the best crops consistent with keeping up the productiveness of the land. Find out how to supplement manures and clover so as to double their effects.

We will mail you books, free, showing you how to do this, and we will sell you the Potash through your dealer, or direct, in any amount from one bag (200 lbs.) up. **Potash Pays.** Write today for books and prices.

GERMAN KALI WORKS, Continental Building, Baltimore, Md.
Monadnock Block, Chicago, Ill.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or Fumigating

25 lbs. \$1.00
50 lbs. 1.75
100 lbs. 2.50
500 lbs. 12.00
1000 lbs. 22.00
2000 lbs. 42.50

Stump & Walter Co. 50 Barclay St., New York, N. Y.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

WHOLESALE FLORISTS — New York — Continued

P. J. Smith, 49 West 28th St., N. Y.

B. S. Shinn, 55 and 57 West 28th St., N. Y.

Frank Millang, New York, N. Y.

Traendly & Schenck, New York, N. Y.

Badgley, Riedel & Meyer, Inc., New York.

A. Moltz & Co., New York, N. Y.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.

The S. S. Pennock-Meehan Co., 1806-12 Ludlow St., Philadelphia, Pa.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.

Rochester, N. Y.

George B. Hart, 24 Stone St.

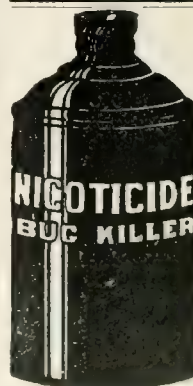
X. L. ALL

English formula for spraying vegetation of a tender nature.

Qt. \$1.00 1-2 Gal. \$1.75 Gal. \$3.50

WM. ELLIOTT & SONS,

42 Vesey St., New York.



The Best Bug Killer and Bloom Saver

For **PROOF**
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

green Flies and Black ones too

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back: why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOHOFF CO., MOUNT VERNON, N. Y.

List of Advertisers

Page	Page	Page
Advance, The Co. 687	Home Corresp. 685	Wadsworth, B. 678
Allen, J. K. 678	School 685	E. 658
American Nur- 668	Hollywood Gar- 675	Wants, For Sale 685
ery 668	dens 675	Ward, R. M. & 669
Aphine Mfg. Co. 669	Horan, E. C. 678	Co. 669
Aschmann, G. 658	Hunt, E. H. 684	Waterer, John & 668
Badgley, Reidel 678	Intern'tl Flora 674	Sons 668
& Meyer 678	Association 674	Welch Bros. 676
Banner, J. L. 679	Jacobs, S. & 687	Whiting Nursery 660
Barnard, W. W. 673	Kasting, W. F. 678	Co. 660
Co. 673	Co. 678	Wilson 674
Barrows & Son 658	Kervan Co. 678	Wood Bros. 659
Bayersdorfer, H. 675	King Cons. Co. 687	Woodruff, S. D. 673
& Co. 675	Krick, W. C. 676	Yokohama Nur- 670
Bay State Nur- 660	Kroeschell Bros. 687	series 670
series 660	Co. 687	Young, A. L. 678
Beaven, E. A. 679	Kuebler, W. H. 679	Young & Nugent 674
Bloomington 659	Lager & Hurrell 658	Zinn, J. A. 675
Bros. 659	Langjahr, A. H. 678	Siggers & Sig- 687
Bobbink & At- 660	Lawrence, H. V. 674	gers 687
kins 660	Leonard Seed Co. 673	Skidelsky & Ir- 673
Boddington, A. T. 670-673	Le Page, H. 670	win 673
Bolgiano, J. & 673	Leuthy, A. & Co. 671	
Son 673	Long, W. H. 674	
Boston Florist 679	Lord & Burnham 688	
Letter Co. 679	Co. 688	
Boston Plate & 686	MacMulkin, E. 674	
Window Glass 686	Matthews 674	
Co. 686	McCarthy, N. F. 679	
Braslan Seed Co. 673	& Co. 679	
Breck, J. & Son 673	McConnell, Alex. 674	
Breitmeyer's, J. 674	McCray Refriger- 675	
Sons 674	ator Co. 675	
Bridgeman's Seed 673	McCullough's, J. 676	
Warehouse 673	M. Sons Co. 676	
Budlong, J. A. 676	McHutchison & 670	
"Buds" 673	Co. 670	
Buffalo Land Se- 685	McKellar, C. W. 676	
curity Co. 685	McManus, Jas. 678	
Burpee, W. A. & 673	Miami Valley 673	
Co. 673	Seed Co. 673	
Buxton, Doane 687	Michell, H. F. 672	
Co. 687	Co. 672	
Carrillo & Bald- 658	Michigan Cut 679	
win 658	Flower Ex. 679	
Chicago Carna- 659	Millang, A. 678	
tion Co. 659	Millang, Chas. 678	
Childs, John 670	Millang, F. 678	
Lewis 670	Moltz, A. & Co. 678	
Clarke's, D. 674	Moninger, J. C. 687	
Sons 674	Co. 687	
Conine, F. E. 660	Moore, Hentz & 678	
Cowee, W. J. 660	Nash 678	
Craig, Robt. Co. 658	Morse, C. C. & 673	
Crawback, G. W. 678	Co. 673	
Dards 674	Murray, Samuel 674	
Dawson, H. S. 668	N. E. Nurseries 668	
Dingee & Conard 668	Niessen, Leo Co. 676	
Co. 668	Oechslin, Frank 659	
Dodd, Chas. H. 687	Ordonez Bros. 658	
Dorner & Sons 659	Ouwkerke, P. 668	
Co. 659	Palethorpe, P. R. 684	
Dreer, H. A. 687	Co. 684	
671-686-687	Palmer, W. J. & 674	
Dysart, R. J. 679	Son 674	
Dunlop, John H. 674	Park Floral Co. 674	
Eastern Nurser- 668	Parshelsky Bros. 686	
ies 668	Peacock Dahlia 671	
Edwards Folding 676	Farms 671	
Box Co. 676	Pennock-Meehan 677	
Ellwanger & 671	Co. 677	
Barry 671	Perkins St. Nur- 671	
Elliott's, W. 684	series 671	
Sons 684	Peters & Reed 686	
Esler, J. G. 687	Co. 686	
Erickson, J. F. 668	Pierison, F. R. 670	
Ernest, W. H. 686	Co. 670	
Eyres 674	Pierison, A. N. 659	
Farquhar, R. & 660	Pierison U-B ar 688	
J. & Co. 660	Co. 688	
Foley Mfg. Co. 687	Poehlmann Bros. 676	
Ford, M. C. 678	Pratt, B. G. 684	
Ford, W. P. 678	Reed & Keller 679	
Fottler, Flske, 673	Reinberg, Peter 676	
Rawson Co. 673	Rice Bros. 676	
Froment, H. E. 678	Rice, M. & Co. 658	
Galvin, Thos. F. 675	Rickards Bros. 673	
German Kali 684	Robinson & Co. 676	
Works 684	Rock, Wm. L. 674	
Gloekner, Carl 673	Roehrs, Julius 659	
R. 673	Co. 659-668	
Greiner, N. Y. 678	Roland, Thos. 659	
Florists' Asso. 678	Rolker, A. & 686	
Grey, T. J. 673	Sons 686	
Co. 673	Sander & Son 658	
Gude Bros. Co. 674	Schulz, Jacob 674	
Hall Association 687	Scott, John 671	
Hanford, R. G. 671	Sharp, Partridge 686	
Hart, Geo. B. 676	Co. 686	
Hartmann, Hjal- 673	Sheridan, W. F. 678	
mar 673	Sidis Institute 685	
Herbert 658	Totty, Chas. H. 659	
Hews, A. H. & 686	Traendly & 678	
Co. 686	Schenck 678	
Hillinger Bros. 686	Trepel, C. C. 659	
Hill, The E. G. 678	Valentine, J. A. 674	
Co. 678	Vicks, Jas. Sons 673	
Hitchings & Co. 688	Vincent, R. Jr. 659-672	
Hoerber Bros. 676	& Sons 659-672	

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

SAVINGS INVESTED IN REALTY

It pays better than a bank account. Well selected realty investments make enormous returns. It is the safest and most productive form of investment.

On Dec. 1st to introduce ourselves, we will offer 1000 building lots. This property is situated only thirty minutes ride by trolley car from the business center of the City. We predict that these lots will increase 500 per cent. within three years. Buffalo has practically no vacant houses and a population of 450,000. Extension is the order of the day and with extension, values will increase wonderfully. The starting price will be \$75.00 and upward, depending on location. Payments \$25.00 cash, per lot, balance in thirty-six equal installments. The majority of lots face on street car line. The most outlying within five minutes walk. The property is already improved, cement walks, sewerage, water works, gas main and electric light service. Price of lots will advance Jan. 1st. Get in now and reap the benefits. By depositing \$10.00 per lot, before Dec. 1st, we allow a credit of 10 per cent. on your purchase. Satisfaction is guaranteed or your money refunded. Title to each lot purchased will be conveyed to Trust Company to be delivered when payments are completed. If you die before your complete payments, a clear title is made to your heirs, at no further cost. This is better than Life Insurance.

We want agents in your locality. Send us the names and addresses of neighbors who you think may be interested. Do it now.

Enormous profits are being made by others. Join before it is too late. This is one of the best Realty investments ever offered. Write for further particulars.

BUFFALO LAND SECURITY CO.

395 Ellicott Sq. Bldg., Buffalo, N. Y.

GREENHOUSE PROPERTY TO LEASE

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4,500 square feet. There are two grapevines with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

SIDIS' INSTITUTE

PORTSMOUTH, - - N. H.

FOR SALE—Greenhouses, 22,000 ft. of glass stocked with carnations. All in first class condition; fine location for retailer. One-third cash, balance in yearly payments. Address Fluegge Bros., 4840 N. Leavitt St., Chicago, Ill.

New Offers in This Issue.

AZALEAS, BEGONIAS, BAY AND BOX TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BULBS.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

CHOICE FLORIST'S AND NURSERY PRODUCTS.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

CHRYSANTHEMUM STOCK PLANTS.

J. F. Erickson, Swampscott, Mass.
For page see List of Advertisers.

COLD STORAGE LILY OF THE VALLEY.

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

COTTONWOOD, WILLOWS, ASPARAGUS AND RHUBARB.

The Whiting Nursery Co., Yankton, S. D.
For page see List of Advertisers.

NEW CHRYSANTHEMUMS.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

PEBBLED PLEATED PAPER.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

PLANT STOCK FOR EASTER.

H. F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

POTASH.

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

TABLE FERNS.

H. LePage, Stamford, Conn.
For page see List of Advertisers.

WHOLESALE CUT FLOWERS.

J. A. Budlong, Chicago, Ill.
For page see List of Advertisers.

FOR SALE

FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—No. 4 Doric heater, second hand; about 2000 feet 2 inch pipe; the glass of a house 20 x 70 ft., 16 in. x 24 in. lights; about 8,000 or 10,000 flower pots of different sizes; and a lot of good sash 3 ft. x 6 ft. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

SITUATIONS WANTED

COMPETENT GARDENER seeks position in charge of private estate. German, wife and one daughter. Capable of taking charge indoors and out. Industrious, sober, well recommended. Address, F. B., care HORTICULTURE, Boston.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.



DREER'S
Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

FIRE RECORD.

Mt. Vernon, Ia.—Fire on Oct. 28th entirely destroyed the Mt. Vernon Greenhouses. No insurance.

Dighton, Mass.—The greenhouse of Charles S. Chase was slightly damaged by fire recently; cause, an over-heated boiler.

Cleveland, Ohio.—The greenhouse and buildings of Knoble Bros., 1836 West 25th street, were damaged by fire, Oct. 27th. Loss about \$1,000.

West Medway, Mass.—Fire on Sunday, Oct. 23rd, completely destroyed the boiler house connected with the greenhouse of Charles W. Smith, on Winthrop street.

North Kennebunkport, Me.—The home of Mrs. Octavia Hutchins, florist, Alfred road, was totally destroyed by fire Thursday night, Oct. 27th. Loss about \$3,000.

PATENTS GRANTED.

- 973,677. Automobile Cultivator. Adolphus R. Lynch, Danville, Ill.
973,824. Attachment for Seed-Planters. Edwin Taylor, Edwardsville, Kans.
974,077. Plant Setter. John J. Kleiberger, San Benito, Texas.
974,114. Flower Holder. Arthur J. Binley, Glens Falls, N. Y.
974,338. Motor Propelled Plow. Andrew K. Baltezer, Wentzville, Mo.
974,357. Land Roller. Harry L. Claiborne, Guineys, Va.
974,685. Greenhouse Bench Mold. Francis C. McCaslin, Zanesville, Ohio.

GREENHOUSES BUILDING OR CONTEMPLATED.

Geneva, Ill.—John W. Lietzau, addition.

Kutztown, Pa.—Fred N. Baer, one house.

McGraw, N. Y.—W. D. Gates, one house.

Philadelphia, Pa.—Jacob Milner, one house.

East Liverpool, Ohio.—J. G. Neville, addition.

Amherst, Mass.—Union Gardens, one house.

Lexington, Ill.—Alderman Ambrose, one house.

Oakland, Calif.—Mrs. Rithardson, one house.

Durham, N. C.—Frederick Roll, one house next year.

Chicago, Ill.—I. G. Stahl, range of houses and store building.

Fall River, Mass.—F. Lothrop Ames, one house 25x100 feet.

Chicago, Ill.—Marquette Park, 10 houses, each 18x100 feet.

Leavenworth, Kan.—Otto Schmeckle, range of vegetable houses.

Dallas, Ore.—Central Willamette Floral Co., range of houses.

Chicago, Ill.—Wm. Harbitz, two houses, 25x50 feet, in the spring.

New York, N. Y.—Schuyler Scheflin, conservatory on the roof of residence.

Diamond Springs, Va.—Virginia Truck Experimental Station, house 21x100 feet.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

REPAIR SEASON NOW OPEN

WRITE FOR LOW PRICES TO

GLASS Sharp, Partridge & Co.,
2263-2269 Lumber Street,
CHICAGO, ILLS.

BOSTON PLATE & WINDOW GLASS CO. "GREENHOUSE GLASS" GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/4 " " 5.25	120 7 " " 4.30
1500 2 1/2 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " 5.80	48 10 " " 4.80
500 4 " " 4.90	24 11 " " 3.60
450 4 1/2 " " 5.24	24 12 " " 4.80
320 5 " " 4.5	12 14 " " 4.80
210 5 1/2 " " 3.78	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY FOR OUR

Florist' Red Pots
is prepared by passing through a screen 1000 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash
Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781. BROOKLYN, N. Y.

CHARLES H. DODD

Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

**Holds Glass
Firmly**

See the Point
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St. Phila., Pa.

FULL SIZE
No. 2

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

KROESCHELL HOT WATER BOILERS

ORDER NOW

TELEGRAPH AT OUR EXPENSE

This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

Send for catalogue

KROESCHELL BROS. CO.

466 West Erie St., CHICAGO, ILL.

WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

≡ KING ≡

Means quality as to design, material or workmanship in greenhouse construction. Our semi-iron houses meet every strain a greenhouse is subject to and our iron frame houses are the best yet produced.

Send for Our Bulletins

KING CONSTRUCTION COMPANY
North Tonawanda, N. Y.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



Here is One Wing of a House We Built at Katonah, N. Y.

The entire house is 20 feet wide and 104 feet long, having 4 compartments. It is our Iron Frame construction which makes a house that's built to last. It has the advantage over all the so called "newer constructions" because you know it will last because it has lasted. Send for circular.

Hitchings & Company
1170 BROADWAY NEW YORK



Mr. T. E. Procter, at Topsfield, Mass., has besides his other houses, an eleven foot house 75 feet long, divided in three compartments. This one is now filled with pot strawberries.

THE ELEVEN FOOT HOUSE

Don't shake your head because it's a small house—for many purposes it is just as good as the wider one. For growing melons, for instance, Our New Catalog shows and tells

some decidedly interesting facts about "eleven footers." Some of them you already know, but there's a chance that some of them you don't know. Do you want the catalog?

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII.

NOVEMBER 19, 1910

No. 21



VIEW IN MILWAUKEE FLOWER SHOW.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

25th ANNIVERSARY 25th

A RICE'S 25th ANNIVERSARY SPECIAL A

"RING IN ON THIS"

Heavy Waterproof Crepe Paper

\$90.00	-	-	1000 rolls
\$10.00	-	-	100 rolls
\$1.50	-	-	dozen rolls

(each roll containing full ten feet)

Used by every Florist and trust that you are in position to take advantage of this liberal offer.

For One Week Only—Nov. 21st to 26th

It is our way of showing goodwill and appreciation for all past favors. We want to get in touch with all the Florists the week beginning November 21st, and ending the 26th,

"OUR ANNIVERSARY WEEK"

We are not forgetting that we are the Leading Florist Supply House and Ribbon Specialists—

AND THAT YOU MADE US—

We are successful because you choose to purchase from us, and we're proud—and pleased. We want your good will as well as your patronage.

Write Us Anniversary Week

We'd prefer to clasp hands, but that's next.

KATALOG for the asking

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & COMPANY

Manufacturers—Importers—Originators

1220 Race Street,

PHILADELPHIA, PA.



25th ANNIVERSARY 25th

R. VINCENT, JR. & SONS CO., White Marsh, Md.

BLOOMINGDALE BROS.
59th St., New York City
C. C. TREPEL

ELMER D. SMITH & CO., ADRIAN, MICH.

35-37 Randolph St., Chicago, Ill.

Wood Brothers

FISHKILL, N. Y.

THOMAS ROLAND. Nahant, Mass.

20th Century Plant Food Co., Beverly, Mass.

Bargains in good things.

J. F. ERICKSON, Swampscott, Mass.

Richmond, Ind.

A. N. PIERSON, Inc., Cromwell, Conn.

RUTHERFORD, N. J.

4911 Quincy St., - CHICAGO, ILL.

BOBBINK & ATKINS

World's Choicest Florist and Nursery Products

AZALEAS.

Have arrived in splendid condition. We have all the most important varieties and sizes. Anybody in want of a quantity will do well to inspect our plants before placing their order.

Schryveriana, Paul Weber, Raphael, Vervaeana, Mme. Van der Cruyssen, Dr. Moore, Mme. Cam. Van Langenhove, Paul de Schryver, Niobe, Prof. Wolters, Simon Mardner, Louis de Kerchove, Deutsche Perle, Joha Liewellyn, Mme. Jos. Vervae, Memoire de L. Van Houtie, Sigismund Rucker, and others.

	Doz.	100		Doz.	100
10-12 in. diam.....	\$1.50	\$35.00	15-16 in. diam.....	\$9.50	\$75.00
12-14 " " " " " "	6.00	45.00	16-18 " " " " " "	12.00	90.00
14-15 " " " " " "	7.50	60.00	18-20 " " " " " "	25.00	200.00
			20-24 " " " " " "	36.00	300.00

RHODODENDRONS.

In all bright colors; fine forcing varieties; good value. \$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors. 15.00, 18.00, 24.00
ACACIA PARADISA. Fine plants. 12.00, 18.00, 24.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100		Per doz.	Per 100
Azalea Mollis.....	\$4.50	\$35.00	Marlus, Flowering Crab...	15.00	
Deutzia Gracilis.....	2.00	15.00	Dielytra Spectabilis.....		6.00
Lilac, Charles X, Marie			Aucuba Variegated, for		
LeGraye, extra size, for			window boxes, 12-15 in.	4.00	
8-9 in. pots.....	10.00		Aucuba, fine plts., 18-24 in.	9.00	

ROSES.

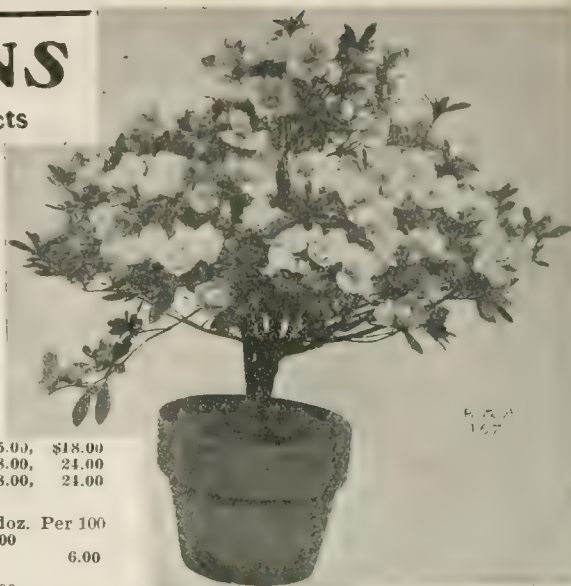
H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. E. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots.	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants.....		16.00

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.



A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUND

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

FOR SALE

	Per M
Cottonwood, 12-18 in.....	\$1.25
" " 18-24 in.....	2.00
" " 2-3 ft.....	2.50
Diamond Willow, 12-18 in.....	1.30
" " 18-24 in.....	2.05
" " 2-3 ft.....	2.55
Asparagus, Conover's Colossal and Palmetto, 2 yr. No. 1, 15,000 of each.....	3.50
Asparagus, Conover's Colossal and Palmetto, 1 yr. No. 1, 10,000 of each.....	2.50
Rhubarb, large divided roots.....	20.00

The Whiting Nursery Co.
YANKTON, S. DAK.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitae, Colorado Blues &c. Also in Catalpas, Birches, Lilacs, Portlars, &c.

Very large Privet.

Evergreens are dug with balls.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

Seasonable Notes on Culture of Florists' Stock

CARE OF CATTLEYAS

As these orchids pass out of flower, some will need attention in the way of new material. Where the compost is in good condition it is not necessary to repot them—a top-dressing will suffice; but where the compost is sour it is better to repot them. It is always better to take this work in hand soon after they are through flowering. The potting material should consist of good fibrous peat and sphagnum moss, with plenty of drainage. They should be very carefully watered for some time after repotting. This will refer to such varieties as *Cattleya Eldorado*, *C. Harrisoniae*, *C. Bowringiana*, and *C. Loddigesii*. With such varieties as *Cattleya maxima*, *C. Percivaliana*, *C. Trianae*, and *C. Waleriana* that will now be coming into bloom the watering should be done early enough in the day from now on so as to get the atmosphere dry before closing up time or night. During the winter months water must not be applied indiscriminately or a good deal of damage will follow. Every subject should be carefully looked over and when the material looks dry give the whole mass a thorough soaking, thus maintaining a uniformly sweet condition of the compost.

FORCING IXIAS

These bulbs after potting can be plunged in coal ashes or any like material in an unheated pit or frame, where they can be protected against any hard freezing. They can stay here until some visible headway has been made in root formation. They can also be stood under the bench in a cool house where there is not too much drip, as they should be kept somewhat on the dry side until they have made some top growth, when they can be removed and placed near the glass, where they can have all the advantage of uninterrupted light. When they have made a good start they can be given a night temperature of 50 to 55 degrees. *Ixias* have to be watered very carefully. They also will not stand for hard forcing. *Ixia crateroides* and *longiflora* are good forcing sorts.

HEATHS

Those who want to have *Erica melanthera* in bloom by Christmas should give it an elevated position so as to be near the glass. Guard against too high a temperature, moisture laden atmosphere, restricted ventilation, or too crowded quarters, all of which will result disastrous to the grower. When the buds show development they will stand more fire heat, but understand this must not be over done. The normal temperature for these plants is about 45 degrees so use great caution, for it is very easy to go beyond the safety limit. Air should be freely admitted whenever possible. Over-watering or a thorough drying out are alike followed by fatal results. When mildew is first noticed don't fail to blow flower of sulphur over and through the foliage so as to check its spread. Some of the best heath species are *Erica hye-*

malis, *E. gracilis*, *E. melanthera*, *E. floribunda* and *E. incarnata*.

LILY OF THE VALLEY

Imported lily of the valley pips cannot be forced with much success until the new year. You may be able to have flowers, but the spikes are bound to be deficient of foliage. Cold storage pips should be relied upon for the holiday supply. Pips which are received in November should be placed in a cold frame until wanted for forcing. Pack the pips upright in boxes, putting sand or soil between, over and under the bunches and it is well to cover with 3 or 4 inches of straw or hay so that they will not freeze solid. The pips are not injured by freezing, but it makes handling awkward when they are allowed to freeze solid. When wanted for forcing they can be planted into a sand bed or flats, placing them quite close. Keep them moist with several sprayings overhead during the day until the bells are well formed, when spraying should be stopped. They should have a bottom heat of at least 85 to 90 degrees, whereas the house should be rather cool; about 50 degrees will suit. Shade heavily for the first two weeks, afterwards admit light in a gentle manner for about two days when all the shading can be removed. If grown in flats they can be stood in the cool end of the house which will give the flowers a fine texture and help their durability when fully developed. For early forcing choose the Berlin pips and the Hamburg pips for late forcing.

MIGNONETTE

Seed that was sown early in July and the plants grown with every attention should have produced by this time nice stocky plants. All laterals should be kept rubbed off with the exception of three or four of the strongest side shoots on the bottom that will come on for a second crop. If you expect fine strong spikes never let your night temperature go over 45 degrees. Don't ever attempt to coddle this plant with a high close atmosphere, thinking to hurry it along for you will only produce flowers of a very poor quality. When they reach the flowering stage they will stand weekly applications of liquid manure. Plants raised as early as the above should come in fine for the holidays.

AMERICAN BEAUTY IN POTS FOR EASTER

American Beauty roses that were planted out last spring with the intention of lifting them for Easter forcing should now be lifted and potted. Any good rose soil will suit, using either 6 or 7-inch pots. See that they have good drainage and that they are potted firmly. It is a good plan not to prune too hard after lifting them. Cut down to say about 18 inches, and you can do the severe pruning when you start them up. If you have the room it would be well to give these plants a week or two in a cool house, after which they can be placed in some deep frame. Keep them moist at the roots for they are liable to be ruined by a freeze, if they become dry at the roots. It is better to plunge the pots when putting them into the frame and they can remain here until wanted for forcing.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Care of Carnations; Finishing up Outdoor Work; Outdoor Roses; Chrysanthemum Stock Plants; *Stevia* for Christmas; Winter Flowering Stocks.

HORTICULTURE

VOL. XII

NOVEMBER 19, 1910

NO. 21

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager**SUBSCRIPTION PRICE**

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page **\$1.00**
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Milwaukee Exhibition.

SEASONABLE NOTES ON CULTURE OF FLORISTS'

STOCK—Care of Cattleyas—Forcing Ixias—Heaths—
 Lily of the Valley—Mignonette—American Beauty in
 Pots for Easter *John J. M. Farrell*..... 693

THE TOTTY NOVELTIES, Illustrated..... 695

THE EXHIBITIONS:

New York, Illustrated..... 696
 Chicago, Illustrated..... 697
 Milwaukee 698
 Minneapolis St. Louis—The Japanese Garden,
 Rochester, Illustration..... 699
 Indianapolis—Toledo—Dobbs Ferry—Providence—
 Mrs. Thompson's View of Stage, Rochester, Illus-
 tration 700
 Yonkers—Albany—St. Louis Botanical Gardens..... 704

CLUBS AND SOCIETIES:

Gardeners' and Florists' Club of Boston—Gardeners'
 and Florists' Club of Baltimore—Nassau County Hor-
 ticultural Society..... 701
 New York Florists' Club—St. Louis Florist Club—
 Elberon Horticultural Society—New London Hor-
 ticultural Society—Chrysanthemum Society of
 America 702

THE RICE SILVER ANNIVERSARY, Portrait—G. C.

Watson 703

SEED TRADE:

The Canners' Troubles—The Outlook for Prices—
 Early Orders Advised—Notes..... 708

OF INTEREST TO RETAIL FLORISTS:

Steamer Departures..... 710
 New Flower Stores—Flowers by Telegraph..... 711

FLOWER MARKET REPORTS:

Boston, Buffalo, Chicago, Cincinnati..... 713
 New York, Philadelphia, Toledo..... 715

DURING RECESS:

New York Bowlers..... 720

OBITUARY:

Robert M. Snow—P. J. Berckmans—Henry Fruck... 722

MISCELLANEOUS:

A Question of Responsibility..... 695
 A Chrysanthemum That Lives..... 710
 Washington Notes..... 711
 Cincinnati Notes..... 711
 Personal 711
 Fire Record 720
 Philadelphia Notes..... 720
 Greenhouses Building or Contemplated..... 722
 Incorporated 721
 News Notes..... 711-715-721

The flower
 shows

Our reading columns are again over-
 crowded with flower show reports. From
 a financial standpoint we fear that but
 few of these enterprises have been suc-

cessful this year but judged as to their artistic worth
 we are satisfied that a great forward stride has been made
 and the shows have merited a much greater public rec-
 ognition than has been accorded. Such exhibitions

should be and are an influence and stimulation in the
 culture of the aesthetic sentiments to a degree that no
 other public entertainment can excel and it is most re-
 grettable that the great mass of the people seem to be
 so indifferent to their attractions. The American public
 owe a great debt of gratitude to the earnest men who
 have worked so hard in the various cities to place before
 them so much floral loveliness and in such charming ar-
 rangement as is depicted in the several views we present
 in this issue. Whether they have come out financially
 square or not they have surely well-earned the apprecia-
 tive gratitude of their fellow gardeners and florists for
 the admirable manner in which they have made their
 appeal to the people on behalf of the floriculturist and
 his art.

A lesson
 from the strike

If there is one lesson that the Amer-
 ican public, and the business men es-
 pecially, should learn from the recent
 expressmen's strike in New York

City, it is the necessity of a parcels post service, which,
 when put into operation, will make the grievous incon-
 venience and loss of the past few weeks impossible of
 repetition. It is estimated that many millions of dol-
 lars' loss has been sustained through this fight between
 the express companies and their employees. Of this the
 florist trade has had to bear its full share. We have re-
 peatedly called attention in these columns to the great
 benefit that would come to the horticultural interests
 through the inauguration of a parcel carrying system
 in our Post Office department such as the people of
 every other civilized nation enjoy but beyond a few reso-
 lutions voted in a perfunctory way little has been done
 thus far by the horticultural business interests to voice
 any demand for something better than the antiquated
 system which we have been submitting to and which
 has been unduly enriching the express monopoly. And
 it is well known that the express companies, through
 their influence in the halls of legislation, have been the
 most powerful factors in this discreditable lack of prog-
 ress. We are pleased to record that at least one enter-
 prising florist, Sam Murray of Kansas City, took pains
 to ascertain the views of his candidate for Congress on
 this question and the reply he got was "I am glad to be
 able to say to you that I am in favor of a Parcels Post
 and shall be glad to work for a measure of this char-
 acter."

THE SIXTH ANNIVERSARY

of HORTICULTURE'S birth is near at hand and accord-
 ing to precedent we shall signalize it by sending out a

SPECIAL ANNIVERSARY AND HOLIDAY NUMBER

under date of December 10. The hesitancy and timidity in
 business which we all have noted this fall should now give
 way to a healthy activity, and the date we have selected
 for this special issue will be just right for the enter-
 prising dealer in any horticultural wares to invest in

SOME ADVERTISING WHICH WILL PAY

HORTICULTURE stands far in the lead as a paper with
 interested readers among the most reputable firms and
 representative men in the trade, and

QUALITY

is the strong point in its subscription list. Publicity
 such as HORTICULTURE will bring you is

THE KIND THAT IS WORTH HAVING

THE TOTTY NOVELTIES.



Lady Carmichael



Mrs. G. C. Kelly



William Turner

We show herewith portraits of some of the best of C. H. Totty's chrysanthemum introductions for this season. Mr. Totty has favored us with the following descriptive notes on these varieties. Harry E. Converse and F. E. Nash are omitted in the illustrations as the pictures were not quite up to the mark.

Lady Carmichael; pure white Japanese reflexed, with a very heavy stem and foliage right up to the flower. It is in all respects a splendid thing.

E. M. Byrnes; a very striking crimson scarlet. This is not particularly large, but the coloring is simply superb.

Mrs. G. C. Kelly; old rose with a silvery reverse. This is the largest of the varieties of the year and next year will be undoubtedly the finest vase of flowers in the show as Syme was this year. Mrs. Kelly will maintain the Wells-Pockett prestige.

Wm. Turner; a very handsome reflexed white. This was named by Mr. Wells in honor of one of the best growers in this country, and as a tribute to Mr. Turner's skill in handling

the variety Merza, which captivated W. Wells on his visit here last year.

Harry E. Converse; named in the Morristown Show after a distinguished resident of Massachusetts. The flower is one of the largest we have ever grown although the picture shows it only after it has become badly wilted. Color is chestnut with a bronze reverse, the general effect of the flower being a beautiful clear bronze.

W. Woodmason; this is one of last year's novelties. It is slow in producing stock and there will be a short supply for several years to come, in consequence. At Morristown this flower was scored as the largest in the show. Mr. Pockett described it last year as his finest crimson and events have proved the truth of his words.

Alice M. Flagler; this is an American seedling, pure white with a very attractive style and petal. Stem and foliage are superb.

F. E. Nash, has been certificated by the C. S. A. and next year will most likely be very prominent as an exhibition variety. It is a light pink Japanese and when finished in shade gives

a flower much the same color of Duckham. If grown in the sunlight outdoors, it bleaches to the color of Frank Payne.

A QUESTION OF RESPONSIBILITY.

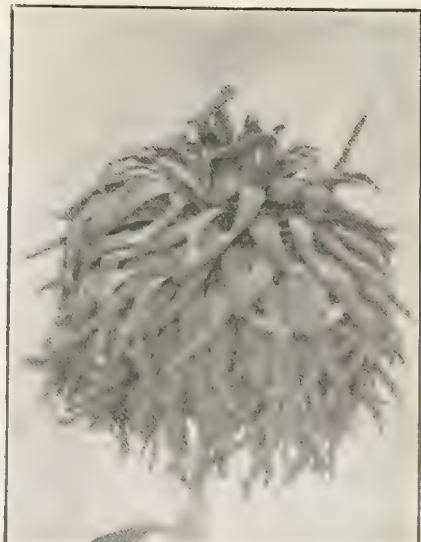
Greenfield, Mass.—The suit of Paul Burt, florist, against his landlord for damages resulting from the freezing of stock in his store, due to inefficient heating, which has been on trial for several days before a jury, has resulted in a verdict for Mr. Burt of \$368.00, which is very near the amount he claimed as damages. Apart from the placing of the landlord's responsibility in a case of this nature, the rule seems to have been established by this trial that the argument that a certain size of pot fixes a value on a plant has no standing legally. Also it is ruled that published catalogue prices cannot be accepted as a proof of market value or an exact standard of prices. P. Welch, A. Leuthy and E. Allan Peirce, all of Boston, were retained as expert witnesses on the value of the plants.



Alice M. Flagler



W. Woodmason



E. M. Byrnes

THE EXHIBITIONS

NEW YORK.

New York had two exhibitions opening simultaneously, on Wednesday evening, November 9, one of them—The American Institute—closing on Friday night and the other—that of the Horticultural Society of New York—remaining open until Sunday night, 13th inst. Both shows suffered from the inconvenience and interruption to transportation due to the expressmen's strike, and also, probably, from the fact of their being held at the same time.

The Horticultural Society of New York's annual fall exhibition was held at the American Museum of Natural History. It opened with a private view on Wednesday evening for members of the Society, of the Museum, and of affiliated organizations; about 1,000 people were present. The attendance was large, four or five thousand on some days, while on Sunday afternoon it reached a still larger figure. This Society's exhibitions are entirely free, no charge being made for admission, so the funds required for giving them must be derived from its membership.

The exhibition was much larger than expected in view of the strike of express drivers, which prevented those at a distance from sending in their exhibits. This was noticeable mainly among the larger specimen plants. The interest displayed in the success of the exhibition, however, was very gratifying, for members sent in exhibits by automobiles or any other conveyances accessible, many bringing large boxes by hand. Even with this handicap the exhibition was a large and attractive one.

The judges were: Robert Stobo, C. H. Totty, Alex. Mackenzie, William Reid, I. L. Powell, Robert Angus.

Samuel Untermeyer, A. Lewisohn, Chas. Hathaway, F. V. Burton, E. H. Weatherbee were the leading exhibitors of chrysanthemum plants. Winners of first prizes in chrysanthemum blooms were Miss Blanche Potter, Traendly & Schenck, Mrs. F. A. Con-

stable, Chas. Mallory, Miss G. Iselin, Miss H. T. Cockcroft, E. H. Weatherbee, H. M. Tilford, J. T. Pratt and Merton F. Plant, the latter winning

the special Jones prize for blooms of Mrs. Jerome Jones. On roses F. R. Pierson was far in the lead with splendid Beauty and White Killarney. In carnations Traendly & Schenck won all the big prizes. Other winners were Cottage Gardens, J. J. Riker, F. Sturges, F. Potter and F. R. Newbold. Foliage and decorative plants covered a wide range of subjects and many of the exhibits were of superb quality. S. Untermeyer, Bobbink & Atkins, Mrs. H. I. Pratt, A. Lewisohn, Mrs. J. Hood Wright were the principal exhibitors. F. R. Pierson cleaning up the list on *Nephrolepis* in displays and specimens.

Orchids were well shown by Lager & Hurrell who took nine firsts, Clement Moore, Joseph Manda and F. V. Burton. Mr. Manda took four firsts and among Mr. Burton's trophies was the sweepstakes prize for best plant in the show—a *Cattleya labiata*.

Special Prizes.

The S. A. F. silver medal was won by Lager & Hurrell with *Cypripedium Hurrellianum*. Another was won by F. R. Pierson Co. with *Nephrolepis viridissima* and one for a new form of *Neph. superbissima*.

Other special awards were as follows:

Special Prizes.

Sweet Peas—Geo. T. Schuneman, Baldwin, N. Y., special mention.



Winning Vase of 50 Chrysanthemums Arranged for Effect, Timothy Eaton and Co. Appleton, 10 ft. High, Exhibited at New York by Traendly & Schenck.



Untermeyer Exhibit at Show of Horticultural Society of New York.

Nephrolepis Giatrasii—George Giatras, West Hoboken, N. J.

Hardy Pompon Chrysanthemums—R. Vincent, Jr., & Sons Co., White Marsh, Md., special mention.

Nerine Fothergilli Major Mrs. F. A. Constable, bronze medal.

Hardy Pompon and single Chrysanthemums—C. H. Totty, Madison, N. J., special mention.

Cosmos Klondike—Samuel Untermyer, certificate of merit.

Crotons—Mrs. Harold Irving Pratt, silver medal.

Celosia Pride of Castle Gould—J. Roehrs Co., Rutherford, N. J., special mention.

Euonymus japonicus variegatus—Bob-bink & Atkins.

Chrysanthemums—Scott Bros., Elmsford, N. Y., special mention.

Phoenix Roeblinii—Wm. Ziegler Estate, silver medal.

Lilian Doty Chrysanthemum—Wm. Ziegler Estate.

Seedling Single Chrysanthemums—W. P. Clyde, New Hamburg, N. Y. (H. J. Osterhout, gardener), certificate.

A meeting of the Society was held on Friday, the 11th. This was well attended, and a large audience listened to the lecture on "The Botany of Some Autumn Flowers," delivered by Dr. N. L. Britton, illustrated with numerous colored lantern slides. At this meeting 60 new members were elected, denoting most gratifying progress, for all the Society needs is a large membership to make it a power in the horticultural world. Since the campaign for a larger membership was inaugurated in the spring, 129 members have been added.

The American Institute show was held at the Berkeley Lyceum, as heretofore. Here also much personal effort was required to get the exhibits to the hall. The exhibition was very high class in many of its features, especially the chrysanthemum cut blooms. In the winning chrysanthemum prize list the names most frequently recorded were Howard Gould, gardener Harry Turner; Percy Chubb, gardener Alex. MacKenzie; C. N. Bliss, gardener N. Butterbach; M. F. Plant, gardener Thos. W. Head; Henry Siegel, gardener Thos. Atchison; E. D. Adams, gardener Geo. Hale; Miss G. Iselin, gardener E. MacKenzie; Chas. Hathaway, gardener Max Schneider; H. M. Telford, gardener Jos. Tansey; M. L. Schiff, gardener W. Eccles; E. H. Wetherbee, gardener F. Milne; J. S. Lyle, gardener Jos. Kennedy; H. E. Converse, gardener D. F. Roy, and Wm. Dowlin. The group of flowering and foliage plants by Harry Turner was very handsome and the orchid group from Lager & Hurler was also a prime attraction. Among roses, C. H. Totty's new yellow Lady Hillington and Radiance, also Princess Charming and White House carnations. Mr. Totty also showed a grand lot of novelties in single pompon and show chrysanthemums. Julius Roehrs Co.'s group of decorative plants was, as always, a leading feature. L. A. Noe was the principal rose exhibitor.

CHICAGO.

Five western cities—Chicago, Milwaukee, Minneapolis, St. Louis and Indianapolis—held their annual flower shows last week, and no doubt each show suffered somewhat from the fact that they all occurred at once. It is the general opinion that a succession of shows would be an advantage to the large growers, giving them better opportunity to handle their exhibits as well as time to visit the different shows and in all probability a different arrangement as to time will exist next year.

The Horticultural Society of Chicago held its nineteenth flower show from the 8th to the 12th, inclusive, at the Coliseum where the best features of several past shows were combined in a general arrangement of the floor space and galleries which was a delight to the eye. The effect was that of a large garden with vast flower beds, irregular masses of decorative plants, small pergolas and broad winding walks, all of which combined to make a worthy setting for the glowing floral masses. There never has been a Chicago show that had finer chrysanthemum blooms or better plants. The plants occupied a round slightly raised bed by themselves and each plant had room enough to show individually. Two large beds of single varieties, one in white and one in yellow, were good features of the show.

The cut flowers, after judging, were redistributed through the hall, an arrangement commended by some and criticised by others. The bringing of the musicians to the main floor was

prizes as in order given. There were few eastern competitors and the list of odd miscellaneous plant specimens was small.

Three table decorations and a glass case of wedding bouquets and samples of wall decorations were the only exhibits by local retailers.

The attendance was a disappointment to the management, not being up to previous years. The price of admission was the same as last year, 75 cents, but there were many protests at that time.

An exhibit of unusual merit was staged in the class for twenty-five chrysanthemum blooms, one variety of each. E. G. Hill Co. won first, followed by Elmer D. Smith & Co., Mt. Greenwood Cemetery Association and C. C. Pollworth Co. His set was made up of Glenview, Mrs. Knox, Frank Payne, Amateur David, Wells' Late Pink, Pockett's Crimson, Beatrice May, Joseph Sinnott, Calvat's 189, Mrs. Thirrell, Sir D. Maurice Salle, Mary Donnellan, R. F. Felton, Harold Wells,



Chicago Flower Show

a good change, the people in the galleries hearing quite as well and those on the floor much better. The lectures were uniformly well attended, the visitors showing clearly that they were eager to learn how to beautify their home grounds and care for their trees. Fine stereopticon views accompanied these lectures.

The nursery exhibits in the annex showed varieties of shrubs, etc., but the one in the main room by the Ravinia Nursery Co., showing a lawn and suggesting what to plant and where to plant it attracted much more attention. Two models of gardens, 6 x 8 feet, on scale of 1/2 inch to the foot and drawings and photographs evidently struck the right note with the owners of city lots.

Lincoln Park and South Park had fine displays of palms and decorative plants, not for competition, and Frank Oechslein, Geo. Wittbold Co. and Vaughan's Seed Store were awarded

Gladys Blackburn, Merza, Loiseau Rousseau, W. Woodmason, Cecilur Monton, Yellow Eaton, Mrs. L. Thorn, L'Africaine, Armant Detroyat, G. W. Pook, Glacier. Smith's collection was a close second and no one envied the judges their task of deciding between them. E. G. Hill also won first on 50 blooms, any variety, in three classes, Chas. Reiser in white, Glenview in bronze, and A. J. Balfour in pink. Elmer D. Smith's 50 blooms of Col. Appleton were worthy of special notice, so perfectly matched in size and form.

As usual, interest centered on the big vases of 50 blooms of one variety and in the eleven classes Poehlmann Bros. and E. G. Hill were awarded four first prizes each, Bassett & Washburn two, and Elmer D. Smith one. In the nine classes of 12 blooms, one variety, there was close competition and the immense blooms were all worthy of commendation. Here E. D. Smith won

three firsts, Bassett & Washburn three firsts, Mt. Greenwood Cemetery Association two firsts, Poehlmann Bros., three seconds, H. W. Buckbee and E. G. Hill Co., each one second. C. C. Pollworth won the Jones' special prize for best exhibit of Mrs. Jerome Jones.

Miscellaneous Show Notes.

Two excursions carried visitors to the extension plant of the Chicago Car Co. at Joliet, Thursday and Friday.

A table of pompons was also exhibited by Frank Beu, conspicuous among the varieties being the beautiful bronze Mrs. Beu.

Bassett & Washburn entered their Beauties at Milwaukee and Chicago, where they carried off all the first prizes at each show.

F. R. Pierson staged three roses not for competition, Radiance, dark pink Killarney and Gloriosa, all seemingly fine varieties.

The ball given by the Chicago Bowling Club on Friday night, was a disappointment so far as numbers went, but those who participated report a very enjoyable time.

A fine vase of Alta, pompon chrysanthemum, was shown by A. W. Meyer of South Holland. It is a seedling of a pure gold color and gives promise of much merit.

J. E. Meinhart, of Webb City, Mo., was one of the new carnation men at the show. He bought his place last spring and has his eyes open for the best varieties.

H. W. Buckbee, of Rockford, Ill., won the sweepstake silver cup on seedling chrysanthemum and Mr. Greenwood same on seedling carnation.

All the chrysanthemums shown were practically cut from standard varieties of about half a dozen sorts, and judging from the excellence of the blooms these sentinels of the flower shows are not yet in need of new recruits.

The lectures were extremely popular features of the show and the speakers who offered to answer questions after the lectures found themselves busy men. City Forester Prost is very popular with the children who enjoyed the funny slides immensely.

J. A. Budlong decided at the last moment to enter roses and carnations and captured nineteen prizes out of twenty-six entries. This shows the excellence of his regular daily stock from which the flowers were sent to compete with stock grown for show purposes.

E. G. Hill & Co. exhibited their two new roses, Sunburst and Rose Queen, the former winning a silver cup and honorable mention for best rose never before exhibited in this country. It is a yellow overlaid with pink. Rose Queen, similar to Bridesmaid in color, won first prize.

Carnation Washington showed up well and received three first prizes in Minneapolis and one in Chicago. This variety is a sport of Enchantress which will be disseminated Jan. 1, 1911. The color is same as Lawson, but holds much better than in that variety. It has all the habits of Enchantress.

W. W. Barnard Co. in addition to their nursery exhibit showed what bulbs to plant in a bed and how to

plant them. Such definite knowledge is always appreciated by the public. The Winterson Co. had a similar exhibit and Mr. Winterson was always there to answer questions. Their exhibit attracted much attention.

Bronze medals on seedlings were awarded as follows: White carnation, 20 blooms, Knopf Floral Co.; red carnation, 20 blooms, E. G. Hill & Co.; flesh pink carnation, 20 blooms, Mt. Greenwood; any other color carnation, 20 blooms, Mt. Greenwood; white chrysanthemum, 6 blooms, E. G. Hill & Co.; yellow, Elmer D. Smith & Co.

R. F. Mueller gardener for A. S. Trude, contributed greatly to the success of the Chicago show. His chrysanthemum plants were excellent specimens and were entered for general competition as well as in the private gardener's class. One of the best things at the show was his bed of scarlet geraniums, plants four ft. high and covered with bloom.

In the carnation classes Poehlmann Bros., Northwestern Floral Co., Mt. Greenwood Cemetery Association, Bassett & Washburn, C. C. Pollworth Co., Wellsworth Farm Greenhouses and Chicago Carnation Co. all figured as first prize winners. The leading prizes in the plant schedule for private gardeners were won by Robt. Mueller, E. G. Uihlein, John Cook, Peter Schilt and Julius Rosenwald.

Over two hundred florists and their ladies sat down to a banquet at the La Salle Hotel, Thursday evening. The decorations were arranged by the old-time florist John Starrett, now the La Salle florist, and were simple and tasteful. After they had done justice to a choice menu toastmaster W. N. Rudd introduced the various speakers and their remarks are well worthy of print did space but permit. A high class entertainment followed and it was with regret that the party dispersed for another year.

MILWAUKEE.

With the eve of Nov. 13, the second annual flower show of the Milwaukee Florist Club came to an end and in every respect it was a grand success. This can be attributed first to the great success of last year, second the diligent work of the press committee, and third the experiences gained a year ago.

The whole was to represent a forest in its fall attire and it was a piece of work well done by Aug. F. Kellner, the decorator in charge with H. V. Hunkel as chairman of the executive committee, consisting of C. Dallwig, Art Leidiger, J. G. Heitman, Wm. Zimmermann, C. C. Pollworth and Nic Zweifel. The main attraction was a waterfall seemingly oozing out of the midst of a pine grove at the left of the stage; the right of the stage represented a hillside wooded with pines. The main floor was tastefully decorated with very tall oak, beech and magnolia trees prettily draped with wild smilax and magnolia sprays. Sixteen large baskets with wild smilax illuminated with electric globes backed by yellow shades relieved the bareness of the upper balconies.

The main floor was further beautified by the various palm, fern, chrysanthemum and other plant groups, with the addition of seven table deco-

rations which were for exhibition only. And all around and through these was the brook, which was tastefully finished off with stone on the inner and sod on the outer side. Five rustic bridges which spanned this brook were an ornament and in keeping with the whole.

Floor space being at a premium, the cut flowers were placed on the stage on the day of judging. All in all, it was a local show; how could it have been different with the Chicago, Minneapolis, St. Louis and Indianapolis shows running at the same time? But the Milwaukee florists taking more interest than ever before and doing all they possibly could, it was a grand success in every way. It also showed that the stock from local growers was fully as good as that which was sent in by outsiders, especially in the cut flower line. The audience was very satisfactory at all times. The judges who honored the club with their services were, Otto Speidel, Oconomowoc; E. Amerpohl, Janesville, and Jim Mathewson, Sheboygan.

The best cyclamens ever exhibited in Milwaukee were shown by the Fox Point Floral Co. E. D. Smith of Adrian, Mich., had some of their prize chrysanthemums on exhibition and reaped their reward. Poehlmann Bros. Co. were the heaviest exhibitors from Chicago. Their stock was grand. Julius Roehrs Co. of Rutherford, N. J., had a neat display of ornamental plants for exhibition only.

Several of the Chicago florists came up to see what the Milwaukee show was like on Saturday night. They were entertained by their friends.

In the chrysanthemum plant classes, Vaughan's Seed Store, C. C. Pollworth Co., E. Praefke and Edliefsen-Leidiger Co. were the winners. In cut blooms, Pollworth Co., Poehlmann Bros. Co., Edliefsen-Leidiger Co., H. W. Buckbee, H. Staeps, Elmer D. Smith, Alois Frey, Holton & Hunkel Co. and Fox Point Floral Co. In miscellaneous cut flowers the above named together with Loeffler & Benke, A. Loeffler, Heitman & Baerman, Mueller & Schroeder and Gus. Pohl. In palms and ferns, A. M. Deitman, Aug. Kellner & Co., C. C. Pollworth, Currie Bros., Holton & Hunkel Co., Theo. Buettcher and others. In miscellaneous plants, Pollworth, O. Eggebrecht, Thos. Griebler, Kellner, J. Freytag, C. F. Fitzerow and J. C. Rost.

In the rose awards, Poehlmann Bros. were first on 50 Beauty, Richmond, Perle and any other variety; Holton & Hunkel on Bride, Killarney, Kaiserin and White Killarney. On the 25's, C. C. Pollworth Co. were first on White Killarney, Killarney and Kaiserin. Carnations were splendidly shown, eight firsts and the sweepstakes silver cup being captured by C. C. Pollworth Co. Mueller & Schroeder Co. won three firsts in this section; Nic Zweifel won five; Munke Bros. won two.

Table decorations were shown by J. M. Fox & Son, E. Wilke & Co., Wm. C. Zimmermann, Walter M. Mans & Co., Edliefsen-Leidiger Co., Currie Bros. Co. and M. A. McKenney & Co.

Loveland Floral Co. received honorable mention for table of baskets.

Honorable mention was given to the following: Bed of Begonia Erfordi with Acalypha border, Fred C. Kaiser; Primula grandiflora, Chas. F. Kitzerow; Oranges, Araucarias and Boston Ferns, John C. Rost; Callas and other miscellaneous plants, Walter H. Hummel Co.; Carnation "Washington," Chicago Carnation Co.; Cyclamens, Fox Point Floral Co.; decorative plants, Aug. F. Kellner Co.; Bonnafon Chrysanthemums, Burlington Floral Co.; ornamental plants, Julius Roehrs Co.; Rubbers and Araucarias, Jacob Freytag; Begonia Glory of Cincinnati, J. A. Peterson; Snapdragon, Mueller & Schroeder; Enchantress and White Enchantress Carnations, Burlington Floral Co.; Trees, Shubbery, Perennials, Gladioli and Dahlias, H. W. Koerner; Trees and Shubbery, Wm. Eschrich Floral Co.

MINNEAPOLIS.

The Twin City flower show, given by the Minnesota State Florists' Association came to a close Monday night, Nov. 14, having been prolonged one day. The show was in all respects, except attendance, very successful, was highly appreciated by every visitor and there is no doubt but that the next show will prove successful in a financial way, too, if carried on the same as this one was. The quality of flowers, decorative groups and plants was high class, as were also the different table decorations and floral pieces of various designs. The quality of the roses surpassed Chicago, while the carnations, after being exhibited five days, were still in good showing at the close. The layout of the hall and the decoration combined with the illumination were unique and unsurpassed by any other flower show. This is the unanimous opinion of guests, judges, representatives of the trade, in fact everybody that visited the show. Later on I will try to give details of the decorations, especially the illumination, which was a combination of half a dozen different lights, powerful but mild, showing the colors of flowers to a very great advantage.

The judges worked hard and satisfactorily, and it is everybody's opinion that we could not have gotten a better set of judges. The following named gentlemen acted in this capacity: J. J. Hess, Omaha; J. S. Wilson, Des Moines; X. A. Plummer, Keewaupee, Ill. The judges praised the management for the success of the show in the following report:

"The general effect of the Twin City Flower Show was much above our expectations. We have visited and taken an active part in flower shows all over the country for the last twenty years and we must say for the size and space, we consider the Twin City Flower Show one of, if not the best we ever attended: First, for the beautiful plan and arrangement of exhibits; second, the unsurpassed effect of the hall; third, the decoration of the hall combined with shaded lights; fourth, plants and cut flowers show the growers' skill; fifth, floral work has shown higher skill than any other show we have attended; sixth, the committee in charge of the magnificent show is to be congratulated for their big undertaking in handling the flower show. We wish to express our thanks to the Minnesota Florists' Association for the honor they conferred upon us and the good time they have shown us during our stay."

The entries were as follows:

L. S. Donaldson Co., Minneapolis, J. Jorgenson grower, 37 entries.
Holm & Olson, St. Paul, 55 entries.
Hans Rosacker, Minneapolis, 1 entry.
E. Naegel & Son, Minneapolis, 2 entries.
Poehlmann Bros., Morton Grove, Ill., 35 entries.
H. W. Buckbee, Rockford, Ill., 21 entries.
J. E. Berry, Stillwater, Minn., 1 entry.
J. E. Meinhardt, Webb City, Mo., 2 entries.
Lakewood Cemetery, Minneapolis, 6 entries.
L. L. May & Co., St. Paul, 47 entries.
La Cross Floral Co., La Cross, Wis., 26 entries.
Elmer D. Smith, Adrian, Mich., 14 entries.
Wm. Jaap, Duluth, Minn., 2 entries.
Chicago Carnation Co., 20 entries.
Will Bros. Co., Minneapolis, 23 entries.
R. M. Chapman, Dillen Co., Minneapolis, 2 entries.
Board of Park Commissioners, Louis Boeglin grower, 14 entries.
O. C. Swanson, Minneapolis, 29 entries.
Hiawatha Garden Co., Minneapolis, 13 entries.
John E. Steen, Red Wing, Minn., 5 entries.
Wendland & Keimer, Elmhurst, Ill., 6 entries.



Rochester Flower Show Japanese Garden

Indianapolis Floral Co., 18 entries.
R. H. Latham, Minneapolis, 2 entries.
Harbins Floral Co., Bismark, N. D., 3 entries.
Hess & Swoboda, Omaha (not for competition), 1 entry.
Julius Roehrs Co., Rutherford, N. J. (not for competition), 1 entry.
John S. Bradstreet & Co., Minneapolis (not for competition), 1 entry.

ST. LOUIS.

The Fourth Annual Flower Show given by the St. Louis Horticultural Society took place last week. The show as a whole was not up to the former years. The entries in most of the classes were rarely over two and in most of them but one. The big prizes which everyone thought would attract many growers from outside were poorly competed for. For the \$500 prize in cut chrysanthemums, E. G. Hill Co., and Elmer D. Smith & Co. made entries. For the \$500 prize in cut carnations, E. G. Hill Co. made the only show and for the \$500 prize in roses Poehlmann Bros. were the only competitors. The management attributes the lack of entries to all the western shows being held during the same week. The local retailers did not, as usual, show any interest, C. Young & Sons and the Metropolitan Floral Co. being the only ones to enter for competition. The show in itself was tastefully laid out and artistically decorated. The weather was all that could be asked for, still the attendance was not up to expectations and the chances are that financially it will again prove to have been a failure. Below will be found the awards of the four days:

Awards.

Shaw Premiums.

Display of decorative plants—Wm. Schray & Sons, first prize, Sanders Nurseries, second, F. J. Fillmore & Son, third.
Berried plants—Koenig Floral Co., Sanders Nurseries.
Blooming plants—Wm. Schray & Sons, F. J. Fillmore & Son, Sanders Nurseries.
Geraniums—Koenig Floral Co., F. J. Fillmore & Son, Bentzen Floral Co.
Specimen palm—Wm. Schray & Sons, C. Young & Sons Co.
Specimen fern—H. J. Weber & Sons Nursery Co., Sanders Nurseries, C. Young & Sons Co.

Blooming plant, other than chrysanthemum—Koenig Floral Co., Wm. Schray & Sons, F. H. Meinhardt.

Fern dish—Wm. Schray & Sons, Sanders Nurseries, C. Young & Sons Co.

Group variegated foliage plants—Wm. Schray & Sons, Sanders Nurseries.

Group of chrysanthemums—Koenig Floral Co., Wm. Bruecker, C. Young & Sons.

Specimen chrysanthemum plants, white, ditto pink, ditto yellow, ditto any other color—Koenig Floral Co.

Bay trees—C. Young & Sons Co., Wm. Schray & Sons.

Begonias—Wm. Bruecker.

Display of Pompons, Anemone or single chrysanthemums—Koenig Floral Co., Sanders Nurseries, Geo. B. Windler.

Chrysanthemums grown to single stem—Sanders Nurseries.

6 Blooms, new seedling, not yet disseminated—M. F. Widmer, Hy. Emunds.

Display of chrysanthemums varieties attractively displayed, either cut blooms, plants or both—E. G. Hill Co., \$500.

Carnations, 4 varieties, 50 blooms each—F. H. Meinhardt.

50 blooms, one or more varieties—Oakland Floral Co., Bentzen Floral Co.

Roses, 6 varieties, 25 blooms each—F. H. Meinhardt.

Decorated dining room effect, including table and mantle decoration—C. Young & Sons Co.

Collection of hardy evergreens, 20 or more varieties—H. J. Weber & Sons Nursery Co., Sanders Nurseries.

The above concluded the first day's awards. The Henry Shaw gold medal was not competed for. The following are the awards for the second day:

Carnations, one or more varieties attractively displayed either cut blooms, plants or both, accessories not permissible—E. G. Hill Co., \$500.

50 America Beauties—Koenig Floral Co.

Basket of carnations—Metropolitan Floral Co., C. Young & Sons Co.

100 roses arranged for effect, any variety—Koenig Floral Co.

Chrysanthemums, 25 blooms, white—E. G. Hill Co., Henry Johann & Son, W. J. & M. S. Vesey.

25, yellow—E. G. Hill Co., W. J. & M. S. Vesey, F. H. Meinhardt.

Any other color—Koenig Floral Co., E. G. Hill Co., F. H. Meinhardt.

50, not less than 20 varieties, short stem (moss back)—Elmer D. Smith & Co., E. G. Hill Co.

The entries for the third day were better and more attractive and the attendance much better. The awards were as follows:

Morton prize, 50 white carnations—E. G. Hill Co., J. E. Meinhardt, Oakland Floral Co.

Schroeter Bros. prize, 50 blooms, light

pink—E. G. Hill Co., Oakland Floral Co., J. E. Meinhardt.

Chas. Gerber prize, 30, dark pink—Oakland Floral Co., J. E. Meinhardt.

Guy prize, 50, red—J. E. Meinhardt, E. G. Hill Co.

100 blooms chrysanthemums, any color—E. G. Hill Co.

Display of roses, accessories not permissible—Poehlmann Bros. Co., \$500 prize. A grand display.

50 chrysanthemums arranged for effect—Metropolitan Floral Co., Hy. Emunds.

Certificate of merit to E. G. Hill Co. for roses "Rose Queen" and "Sunburst."

St. Louis Seed Co. prize for display of 1000 violets—C. Young & Sons Co., Metropolitan Floral Co.

Sander prize for bridal bouquet—C. Young & Sons Co., Metropolitan Floral Co.

Prizes on fourth day were as follows:

50 Richmond Roses, 50 Killarney, 50 Chateaux, 50 White Killarney—Poehlmann Bros.

Display of Pompons, Anemone and single chrysanthemums—E. G. Hill Co., Koenig Floral Co.

Basket of roses—Metropolitan Floral Co., C. Young & Sons Co.

Floral basket—Metropolitan Floral Co., C. Young & Sons Co.

Floral display, not less than four pieces—C. Young & Sons Co. A very creditable display of good workmanship.

The judges were: Mrs. Nicholson, R. F. Tesson, Jules Bourdet, W. W. Stretzing and F. W. Breunig.

INDIANAPOLIS.

Fine weather throughout the week favored the attendance at the show in Tomlinson Hall the past week, bringing out the public in larger numbers than usual. That the people were well repaid for attending was evidenced on all sides by the exclamations of pleasure expressed at the quality of the exhibits and the beautiful decorations. In only one respect did the show lack, and that was in the quality of the plants shown. The lateness of the start of preparations made it impossible to grow fine specimens, such as we are accustomed to seeing here, and there being five shows running in the middle west in the same week made it impossible to get any but home-grown plants. All the cut stock, however, was of exceptionally high quality and easily made up for what the plants lacked.

A new arrangement has been proposed with a good chance for adoption under which the State Florists' Association will hold a show each year. Past experience having proven that a show in this city each year is not as satisfactory as a show once in two or three years, it is now proposed to hold shows in other cities of the state in the off years. There are at least a dozen cities in the state with populations of 35,000 to 75,000 which would patronize a show liberally once in five or six years. The Association will co-operate with the local florists in handling the arrangements, lending its name to give the project dignity, etc.

The list of awards is given below.

On chrysanthemum plants the prizes went to A. Wiegand & Sons, Roepeke & Rieman and Hartje & Elder. On chrysanthemum blooms to E. G. Hill & Co. F. Dorner & Sons Co., Roepeke & Rieman, F. H. Lemon & Co., W. W. Coles, G. R. Gause and Baur & Smith. E. G. Hill Co. won first in the seedling classes with Glacier, white, 88 points; Vaughan silver cup with yellow seedling, unnamed, 92 points. Roepeke & Rieman with seedling '10-09 pink, 87 points. E. D. Smith Co., with 454-1-08, pink, 86 points.

In the rose classes, South Park Floral Co. was first and A. Wiegand & Sons second for the big 100 Beauty prizes. In the other classes Wiegand won two firsts; Lemon, one first; Hill, one first; P. J. Olinger, one first; Chas. Knopf Floral Co., one first, and B. F. Hensley, three seconds



Rochester Flower Show. View of Stage

In the carnation competition F. Dorner & Sons Co. won three; Hill, two; Nitz Zweifel, one; F. H. Lemon, one first.

On chrysanthemum plants grown to one flower, Baur & Smith and Roepeke & Rieman won. On general displays of flowering and foliage plants, Wiegand, Palmd Floral Co., E. A. Nelson, Roepeke & Rieman and H. D. Stilling were the winning exhibitors.

The S. A. F. bronze medal was awarded to the new rose, "Rose Queen," shown by The E. G. Hill Co.

Certificates of Merit were given for seedling pompon chrysanthemum, by Hartje & Elder, and Begonia Glory of Cincinnati by J. A. Peterson.

Honorable mention was given for chrysanthemum Yellow Tonsel, by H. P. Smith.

TOLEDO, O.

We are now under the sign of Chrysanthemums and they are good this year, a little earlier than last year, price about the same, but more have been planted. The annual chrysanthemum show of our local club was held on Nov. 8 in the store of S. N. Peck. It was strictly a club affair and was attended by almost every member. Prizes were offered high enough to make the growers hustle, but they did not draw the competition which was expected.

There were five exhibitors, Harry Heinl, George Bayer, J. L. Schiller, E. Kuhuke and S. N. Peck, all except J. L. Schiller competing for prizes, the latter not growing chrysanthemums for the sake of the flowers, his business being in rooted cuttings only.

The prize for the best chrysanthemums was cashed in by Harry Heinl for Dolly Dimple, a splendid exhibition variety. The flower as shown is very large, of the Japanese type, light yellow, a magnificent bold flower. Geo. Bayer staged in novelties of this year's introduction Oroba, Elise Papworth and Mrs. Wm. Wincott. J. L. Schiller showed Elise Papworth and Mrs. W. E. Kelley. These are two varieties which I think will be grown on a larger scale. Elise Papworth is a splendid large white. For a golden yellow Mrs. W. E. Kelley, introduced 1909, is hard to beat. The prize for the best new introduction went for Elise Papworth. Emil Kuhuke had Col. Ap-

pleton and Intensity on exhibition and S. N. Peck showed Alice Byron, Intensity, Prest. Roosevelt, Baron Victor Reilly and Helen Frick.

An exhibition of pot plants will be held by the club at the first meeting in December and prizes will be awarded for the best Cyclamen, Primula chinensis and Cineraria.

DOBBS FERRY.

The Dobbs Ferry Horticultural Association held their eleventh annual flower show on the 4th and 5th of November at the Town Hall. It was one of the best in the history of the Association. Great credit is due the exhibitors as this section had no rain for five months, yet all of the exhibits were first class in every respect. There were about 120 entries. The following are the winners:

H. Kastberg, 5 firsts, 7 seconds; H. Keating, 5 firsts, 3 seconds; C. Wilson, 2 firsts, 1 second; J. Canning, 3 firsts, 1 second; M. Hayes, 1 first, 4 seconds; J. Bradley, 5 firsts, 2 seconds; J. Goff, 4 firsts; T. A. Lea, 5 seconds; Wm. Hutching, 1 first, 1 second; C. Kurkewicz, 1 first, 1 second; D. Maizen, 2 firsts, 5 seconds; H. Halgerson, 2 firsts; F. Flanagan, 2 firsts, 4 seconds; H. Jander, 3 firsts, 1 second; E. Kain, 3 seconds; J. Schreiber, 5 firsts, 1 second; J. Thomas, 1 second; Mrs. Wm. Pullen, 1 first; R. Borham, certificate of merit.

H. HARMS, Cor. Sec'y.

PROVIDENCE.

The annual Chrysanthemum and Fruit Exhibition of the Rhode Island Horticultural Society was held at the Mathewson Street M. E. Church on Nov. 10 and 11. The exhibits were all of excellent quality. The exhibit from the Aldrich Estate was quite extensive and included chrysanthemums and other flowers and plants, among which was a handsome specimen of Celosia Pride of Castle Gould. F. S. Peck was a winner in many classes of chrysanthemums, also carnations and Lorraine begonias. Johnstone Bros. won first on centrepiece of carnations. Samuel Kinder & Bro. of Bristol staged an unnamed crimson seedling carnation, fine form and rich color; a promising variety.

Clubs and Societies

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The attraction at the November meeting on Tuesday evening, November 15, was Mr. Michael Barrett on "Bees as an Aid in Horticulture." Mr. Barrett had a big audience and he certainly held their attention as he told in penchant and spirited language the many characteristics of this wonderful insect which plays so important a part in the economy of nature. Members plied him with questions which he answered in a manner that showed close familiarity with his subject. He was accorded a rising vote of thanks.

Present as an interested visitor was Major Burton of England, who, we understand, has large nursery and floral interests. He made a most graceful and courteous speech on being called upon, and said that although he had been over the European, Asiatic and Australian continents this was his first visit to the western world and that Boston pleased him so well that he was very loth to leave it. He said that he was astounded at the splendid quality of the flowers grown here—more particularly the chrysanthemums and carnations, which he had never seen equalled, but that our lily of the valley and mushrooms would stand much improvement before they could compare with the British product. The Major had been in the company of J. A. Pettigrew and J. K. M. L. Farquhar during his stay and nobody knows how to show off the good side of the Hub better than these two experts.

On the exhibition table were the following: Carnation "Gorgeous," bright cerise, from Peter Fisher—report of superior merit; Vitis Henryana from R. & J. Farquhar & Co., chrysanthemums from Duncan Finlayson—honorable mention; collection of seedling single chrysanthemums from Otto Strassenburg, of which two were given report of merit; mignonette Patten's Eclipse, from T. J. Grey Co.—report of merit; azalea Mme. Petrick and pot-grown mignonette, from W. W. Edgar Co.; roses from Eber Holmes.

Officers for 1911 were nominated as follows: President, Peter Miller; vice-president, Thos. Pegler; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, A. E. Thatcher, W. E. Fischer, J. P. A. Guerineau, John F. Flood, W. J. Kennedy, Robert Cameron, J. M. Gleason, Eber Holmes, Thos. Roland, Wm. Downs and Albert Batley. Eight new members were added. The committee on entertainment at the National Flower Show made a report of progress.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

At last meeting of the Gardeners' and Florists' Club it was voted to in-dorse New Orleans as the best place to hold a world's exposition in 1915 to celebrate the completion of the Panama canal. Geo. Morrison, president of the club, was appointed a delegate to represent the club at a meeting of the Farmers' League of Maryland to be held Dec. 1, 1910. Robt. Graham was selected as an alternate. The secretary was instructed to solicit from outsiders novelties in plants and flowers for the coming state horticultural show. The club has got down to real hard work al-

First Quality Boxwood

Just received 500 cases, standard size,
\$7.50 per case. This is an A1 Bargain

Christmas Holly

Guaranteed for Quality as Heretofore

\$5.00 per case. Special quotations on larger quantity. Mistletoe, Laurel Wreaths, Holly Wreaths, Bells, Partridge Berries and Globes. Send for prices on any Supplies or Holiday Specialties.

N. F. McCARTHY & CO.

Wholesale Florists TEL. MAIN 5973 84 Hawley St., Boston
and 5974.

PLANT AUCTION

Hardy Roses, Rhododendrons and other Ornaments just in from Holland.

TUESDAY, NOV. 22, 10:30 A. M.

It will pay you to attend, or send your bids by mail. List on application.

FRUIT AUCTION CO. 202-204 FRANKLIN ST., NEW YORK, N. Y.

J. P. CLEARY, Mgr. Hort. Dept.

Sales every Tuesday and Friday

ready for the meet of the S. A. F. here next August. The following committees have been appointed:

Finance: Richard Vincent, Jr., Chas. L. Seybold, Geo. Morrison, Edw. A. Seidewitz, J. Boone, Jas. Hamilton, Wm. Johnston, Philip B. Welsh, J. L. Towner, Wm. Feast, J. J. Perry, Orlando Harrison.

Entertainment: Robt. Halliday, Robt. L. Graham, Isaac H. Moss, N. F. Flinton, F. Bauer, J. Boone, Wm. Christie, Wm. Fraser, Geo. Morrison, J. Nuth, W. Lehr.

Reception: R. L. Graham, G. Morrison, J. Halliday, J. Cook, Jr., G. Talbot, Wm. Johnston, M. Hannigan, J. Glass, C. M. Wagner, J. Keplinger, J. Rider, J. J. Perry.

Sports: Isaac H. Moss, C. L. Seybold, J. S. Boone, J. J. Perry, C. Kleetch, F. Bauer, H. Lehr, G. Kolb, M. Thau, T. Patterson, T. Stevenson, Mack Richmond.

Souvenir Program: C. L. Seybold, P. B. Welsh, R. Vincent, Jr., Geo. O. Brown, J. L. Towner, C. M. Wagner, A. G. Fielder.

Press: Geo. O. Brown, N. F. Flinton, H. Quick, J. L. Towner, J. J. Perry, P. B. Welsh.

Transportation: John J. Perry, Chas. Seigwert, Jas. Glass, James Hamilton.

Advertising: P. B. Welsh, Geo. O. Brown, C. Hess, N. G. Lehr, G. Lotz, Jr., G. M. Cook, W. Johnson, A. G. Fielder, Geo. Eberle.

Hotel: F. Bauer, H. Klein, H. Fischer, C. L. Seybold, Wm. Christie, Jas. Boone.

A banquet will be held Wednesday night, Nov. 30. The governor and mayor will be guests of the society.

Mr. Henry Fischer showed six fine seedling chrysanthemums, of which the standing committee scored five as follows, 87, 85, 80, 72, 60 a pink being the highest.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the society was held in Pembroke Hall, Glen Cove, N. Y., Thursday, Nov. 10. Messrs. Barton, Marshall and Westley acted as judges with the following decisions:

Society prizes for chrysanthemums: James McDonald and S. J. Trepass. Cultural certificate, S. J. McDonald, and to Fr. Petrocchia for celery "New Rose" well worthy of the award. He was given also honorable mention for celeriam "Smooth Prague."

Thanks to the generosity of the winner, J. Forbes Jericho, the cup presented by Mr. Troy was passed around well filled.

Next meeting will be held at 2 p. m. and prizes will be for best 100 violets, 25 sweet peas and 3 cut poinsettias.

O. E. A., Cor. Sec.

::Chrysanthemum Novelties::

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. : : : : : : : : : :

IN NEW CARNATIONS I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalog will be ready in December. Send for a copy. : :

CHAS. H. TOTTY, : : : : MADISON, N. J.

NEW YORK FLORISTS' CLUB.

The announcement that Mr. John T. Withers would deliver an illustrated lecture on his recent trip around the world at the November meeting of the N. Y. Florists' Club, and that it would also be "Ladies Night," brought out a record attendance at the club room last Monday evening. It was no disappointment, for Mr. Withers was delightfully entertaining and the refreshments and subsequent program under the trained management of Messrs. Nugent, Schultz and Koehne, as House Committee, were of a high order. The lecturer conducted his audience through the Yellowstone Park and other wonders of our own land, thence through the Hawaiian Islands, Japan, Burmah, India, Ceylon, Egypt, Italy and the Riviera, showing lantern slides of much beauty and interest, and telling in pleasing manner the story of his observations on his 26,000 miles of wandering, concluding with the acknowledgement that he saw nothing in the entire trip that impressed him more than what he saw in America.

Nominations for officers for 1911 were made as follows: For president, Joseph Manda and J. B. Nugent; vice-president, H. A. Bunyard and J. H. Flessner; secretary, John Young and J. H. Pepper; treasurer, W. C. Rickards and A. R. Kennedy; trustees, F. H. Traendly, I. S. Hendrickson, John Rosbach, Chas. Webber, C. H. Totty and Henry Weismann. It was stated that the nominating committee had desired to nominate president Miller for another term but that gentleman had declined. Ten new members were added to the roll.

W. J. Stewart presented the committee resolutions on the death of Lyman B. Crow, which were unanimously adopted.

Announcement was made of the death of Frank Manda, elder brother of W. A., Joseph and Anthony Manda, all three of whom are members of the club.

S. S. Pennock-Meehan Company had on exhibition flowers of Irish Melody and Double Pink Killarney roses, and W. F. Sheridan reported a preliminary certificate for each on behalf of the judges.

ST. LOUIS FLORIST CLUB.

The Florist Club held one of its best meetings on last week Thursday afternoon, November 10, in point of attendance and socially. The trustees simply outdid themselves and it was voted to have more meetings of the same kind during the year. The membership is close on to one hundred again.

Some exhibitions of athletic skill were then given by several members which occasioned much merriment, after which the party was escorted to the Cambridge Court for dinner. Short talks were made by all the visitors and officers. J. J. Beneke acted as toastmaster. At the close the members adjourned to the Flower Show.

ELBERON HORTICULTURAL SOCIETY.

At the meeting on Nov. 7 the winners for the season's points competition were declared as follows: A. Bauer, highest number of points and he gets the Rickards Bros. cup, which must be won two years before it becomes the absolute property of com-

petitor. C. O. Duncan got the gold medal; W. R. Seymour, silver medal; P. Ewen, bronze medal. The three medals were donated by A. T. Bodington.

ALEX. FLEMING, Rec. Sec.

CHRYSANTHEMUM SOCIETY OF AMERICA.

New varieties exhibited by Elmer D. Smith & Co., at Chicago, Nov. 12, were scored as follows: Poughkeepsie, white, Inc. exhib. scale, 85 points. Roman Gold, yellow, Inc. com'l scale, 87 points. 340-2, light pink, Inc. com'l scale, 86 points. 130-22, pink, Inc. com'l scale, 89 points. 512-7, pink, Inc. com'l scale, 87 points.

At Cincinnati, Nov. 5, Roman Gold scored com'l scale, 88 points; exhib. scale, 87 points.

At Cincinnati, Nov. 5, Hoosier Maid, white, Jap., Inc. by H. W. Rieman, 82 points, com'l scale.

At Cincinnati, Nov. 12, Gerald Haschke, crimson and maroon. Ref. Jap., by Mrs. B. Haschke, 80 points, com'l scale.

At New York, Nov. 9, Driftwood, yellow, Jap., 85 points, exhib. scale.

CHAS. W. JOHNSON, Sec'y.

NEW LONDON HORTICULTURAL SOCIETY.

The meeting of the New London Horticultural Society on Nov. 10 in the Harris Building, New London, Conn., was a very enthusiastic one. A report on the exhibition was made by the president, W. E. Clark, and chairman, H. Fuller, and the good results of the show are to be seen by the fact that sixteen new members were admitted into the organization.

THE RICE SILVER ANNIVERSARY.

A notable event takes place in Philadelphia during Thanksgiving week. This is the celebration of the twenty-fifth or silver anniversary of the founding of the firm of M. Rice & Co., who have done so much toward the wonderful development of the florists up to the present time on the American continent.

In the commercial cut flower business of the great metropolitan centers, North America has achieved a development unknown and undreamed of elsewhere in the world today. And M. Rice & Co. have kept pace as an auxiliary and helper in this wonderful manifestation. Not only that; but they have in many cases been ahead of the times, and pioneers in new fields.

One of the secrets of the success of this firm was given to the writer unwittingly some years ago by the head of the house, M. Rice. He was asked: "How do you know so well what these retailers want?" "Why," said Mr. Rice, "don't you remember the days long ago, when you could see me at a Christmas or Easter or other rush holiday occasion, back of the counter in Eugene Weiss's or Robert Crawford's helping them out like an ordinary workman?"

"Yes," said I, "but I thought that was just friendship."

"It was," replied Mr. Rice, "all of that and sincere—I liked these men and I enjoyed the work but the benefit was not all theirs. I came to have a thorough knowledge of the inside workings and problems of a modern flower store; I saw where an improvement could be made here; a saving there; I could imagine how the public would take to a budding idea and reserved that for the future for my client's benefit, and my own; and so in the course of years I became really a part of the retail business, as well as a wholesaler, and could readily judge what would go and what wouldn't." "So, you see," he concluded, "I got as much good out of the helpful spirit in the long run as my friends did."

It was in 1885, on the Monday before Thanksgiving that M. Rice first launched his "saucy bauble boat" on the bosom of the unchartered business ocean at 725 Arch street, in Philadelphia. He had the enormous cash capital of something like sixty dollars—and hadn't the faintest idea where the first month's rent was to come from. The items dealt in were: Cape flowers, immortelles, and chip baskets. A modest variety, surely!

The firm has undergone several changes during the twenty-five years, and has been in various localities. In 1899 B. Eschner was admitted into the firm and in the following year (1900) the building at 918 Filbert was occupied entirely—for salesrooms, storage, and manufacturing. This was an ambitious and daring stride; but business grew so rapidly in the next five years that even this was outgrown; and the property at 1220 Race street was acquired, where their present seven-story and basement building was erected, and which is now used exclusively for their constantly increasing business—beside much outside storage. Every state in the Union is represented by florists as customers on this firm's

books—as is also Canada, Mexico, Cuba, South America, the Philippines, Hawaii, and many other distant parts.

Mr. Rice makes an annual pilgrimage to Europe—and wherever a good novelty is likely to be found—and says that of late the centers of fashion, like London, Paris, Berlin and Vienna, now look on the flower trade of America as almost of equal importance to the millinery in the extent and variety

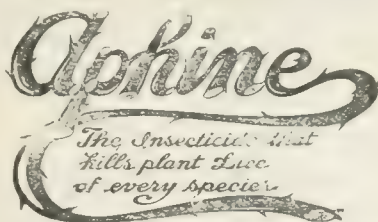


M. RICE

of its requirements, commanding the best thought and efforts of the world's greatest artists in decorative ideas.

F. J. Farney is the western representative of the house, with headquarters at Chicago. Arthur Zirkman, C. Shackerman and Robert Schuck are also among the well-known travelers for the firm and are widely known in their various territories.

G. C. WATSON.



"The above is the report of my greenhouse foreman, and from my own observations the results are eminently satisfactory in every respect. You have at last put on the market an insecticide that does all claimed for it and more."

(Signed) JOSEPH ROBINSON,
Supt. to Colgate Hoyt.
Oyster Bay, Long Island.

\$2.50 per gal. \$1.00 per quart

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Cathank Building, San Francisco, California.

If your business demands a good article in lily bulbs you cannot do better than to buy **Horseshoe Brand** bulbs. They are produced by the best growers in Japan, and are positively the cream of the crop. Selected carefully, graded and packed by experienced Japanese, registered and sent to this market for those who are particular what kind they buy. Our prices for November are as follows:

FORMOSAS

Inch		Per case of
6 x 8	\$20.00	400 bulbs
7 x 9	21.00	280 "
8 x 10	21.60	240 "
9 x 10	21.00	200 "

MULTIFLORUM

7 x 9	\$16.50	300 bulbs
8 x 10	16.25	250 "
9 x 10	17.00	200 "

CICANTEUM

6 x 8	\$20.00	400 bulbs
7 x 8	22.75	350 "
7 x 9	22.50	300 "
8 x 10	25.00	250 "
9 x 10	22.00	200 "
9 x 11	21.60	180 "

f.o.b. New York, Cincinnati or Chicago. You may have 5 per cent. for cash with order during November only. Order now for delivery from Cold Storage during 1911.

A Catalog Free



Ralph M. Ward & Co

12 West Broadway
NEW YORK

Not How Cheap
But How Good

Tobacco Paper

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

The Exhibitions

YONKERS.

The first annual exhibition of the Yonkers Society was held Nov. 10 and 11 and was a success in every way. Nearly all of the sixty-eight classes were competed for and the attendance better than expected. The judges were Wm. Turner of Oceanic, N. J.; Geo. Middleton of Tarrytown and Wm. Smith of Portchester.

Among the commercial exhibitors were the following:

Milliot's, who showed a wedding decoration, also a group of decorative and foliage plants; Peter Macdonald, a reception decoration; Yonkers Nursery Co., palms and ferns; Scott Bros. of Elmsford Nursery Co., chrysanthemums; Arthur T. Boddington, vegetables; and L. K. Wood, garden tools.

The winners of the different classes are as follows:

In the chrysanthemum plant classes: Miss G. Iselin, gard. E. McKenzie, one first; Adolph Lewishohn, gard. J. Canning, two firsts, one second; Lillenthal Estate, gard. H. Scott, four firsts; Mrs. J. B. Trevor, gard. Howard Nichols, two firsts.

In cut blooms, Miss Iselin, five firsts; Adolph Lewishohn, one first; Lillenthal Estate, one first; Frederick Potter, gard. W. C. Roberts, three seconds. Roses and cuttings were well shown by S. Untermyer, gard. A. Herrington; E. Gould, gard. H. Jordan; Mrs. I. N. Seligman, gard. J. H. Bringer; F. Potter, Mrs. J. B. Trevor, E. C. Benedict, gard. R. Allen, A. Lewishohn, Claude Wilson and Mrs. Trevor were in it on ferns; A. Lewishohn and Miss G. H. Dodge, gard. Wm. Wright on Lorraine begonias and L. F. Taylor on dinner table decoration by amateur. The fruit and vegetable classes were also well filled.

ALBANY.

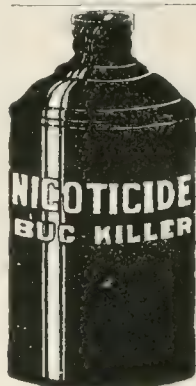
The second annual flower show was held at the State Armory, Albany, N. Y., November 10, 11 and 12th. Albanians fared exceedingly well in the awards. The large silver cup put up by the Albany Florists' Club for the handsomest booth was awarded to John J. Berberick, of Second avenue; although great credit was given Mr. W. C. Gloeckner for his handsome booth, representing a church wedding ceremony; a bridal party was arranged complete even to the ring bearer—all wax figures handsomely gowned. Mr. Gloeckner received first prize on the best specimen plant and awards in other classes. F. A. Danker received first for best mantle decoration. Frederick Goldring, Henkes Bros., William Hannell and A. E. Whittle also received several first prizes. The orchids and large chrysanthemums from Lenox, Mass., were worth going to see. W. C. Gloeckner was first and F. A. Danker second for superb bridal bouquets, and

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

**P. R. Palethorpe Co.
OWENSBORO, KY**

W. C. Gloeckner first for dinner table decorations.

Among the out-of-town exhibitors were Wertheimer Bros., ribbon merchants. Mr. Morris Cohen was looking after their interests.

ST. LOUIS BOTANICAL GARDEN.

The annual chrysanthemum show, free to the public, opened on Monday, November 14, and from reports there are 2,000 plants being shown under a big tent in the centre of the Missouri Botanical Garden. The Engelmann Botanical Club held its monthly meeting at the garden, November 14. Dr. R. R. Gates, of the garden, delivered an address, illustrated, on "The Brussels International Botanical Congress."

Supt. Irish of the garden said that this year the show is better than ever, and he expected from two to five thousand visitors daily during the week.

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company
13 Union Stock Yards Chicago**

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each

Julius Roehrs Co., Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.**

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.

In ordering goods please add 1 "save it in HORTICULTURE."

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc. BEDFORD, MASS.

JAPANESE NURSERY CO.
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Priniceps, extra large double-nosed bulbs, \$9.50 per 1,000.

Double Von Sion, first sized bulbs, \$9.00 per 1,000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Paper White Grandiflora, 13 c/m and up, \$9.00 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

Per 1000	Per 1000
Chrysolora \$7.00	Prince of Austria 12.00
La Reine 8.00	Rose Luisante 14.50
Rose Grisdelin 8.50	Vermillion Brilliant .. 18.50
Thomas Moore 8.00	Single Finest Mixed ,
Keizerskroon 10.50	all colors, for bed-
Mon Tresor 11.50	ding 7.50

Murillo, the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.

Salvator Rosa, \$14.00 per 1,000.

Gesneriana Spathulata, the true gesneriana, the finest of all late tulips, \$9.50 per 1,000.

Double, finest mixed, all colors for bedding, \$8.50 per 1,000.

HYACINTHS

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties, see wholesale list), \$4.00 per 100, \$35.00 per 1,000.

Separate Colors, single, pink, white and blue, \$20.00 per 1,000.

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.

White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips, \$8.00; case containing 1,000 pips, \$15.00.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Multiflorum, case 300 bulbs, \$13.50.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1¼ inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties—Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Gladiolus America, the finest of all gladioli for forcing, \$35.00 per 1,000.

Crocus, finest named varieties, \$5.00 per 1,000.

Spiraea, in case lots of 100 bulbs—Gladstone, \$9.50 per case; Japonica, \$4.50 per case; **Compacta Multiflora**, \$5.50 per case.

For other Bulb Stock, see our complete wholesale bulb list, free on application

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
N. Y.

Lily of the Valley---Cold Storage

\$15.00 per 1000, \$1.75 per 100

ARTHUR T. BODDINGTON, Seedsman,

342 WEST 14TH STREET,
NEW YORK

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

DIRECT IMPORTATIONS

At Foreign Growers' Prices

SPRING SHIPMENT

Kentias—Made up and single, **Araucarias**, Bay Trees, etc., from Ghent, Belgium.
Roses, **Rhododendrons**, **Paeonies**, **Boxwood**, etc., from Boskoop, Holland.
French Ornamentals, **Japanese Nursery Stock**, **Perennials**, etc.

SHIPMENT FROM NEW YORK

Japanese Lilies, **Giganteum**, etc.

Valley Pips, **Hamburg** or **Berlin** type, all grades.

Raffia, **Red Star** brand and 3 other grades in bale lots, also colored.

McHUTCHISON & CO., 17 Murray St., New York

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate
use, \$3.50 per 100.

H. LePAGE, Stamford, Conn.

HOLLY FERNS

Pteris Wilsoni, **Victorae**, **Wimsettii cretica**,
Aspidium tsussemense, etc.

Fine, bushy plants, 2 in. pots, in as-
sortment, packed to reach you in perfect
condition, \$3.00 per hundred. Cash or sat-
isfactory references please.

R. G. HANFORD, - - - Norwalk, Conn.

Cocos Weddelliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid thrifty stock, of rich dark color.

3-in. pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100.

5-in. pots, 18 to 24 inches high, splendid plants, 75c. each.

7-in. pots, 36 to 42 inches high, grand specimens, \$2.50 each.

10-in. pots, 30 to 36 inches high, very stocky well balanced plants, \$5.00 each.

Your particular attention is directed to the larger specimens offered. They are excellent value.

For a complete list of seasonable stock offered by us, see our current wholesale list. If you have no copy, send for it.



HENRY A. DREER, Inc.
714 Chestnut St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelsa Compacta Robusta, Excelsa Glauca, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2 1/2 inch \$30.00 per 100.

WHITMANI, 2 1/4 inch \$5.00 per 100; \$40.00 per 100; 25c at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

JUST RECEIVED a large lot of Cattleya Trianae, C. Schroederiae, C. Gigas Sanderiana, C. Gigas Hardyana, Miltonia Vexillaria. Correspondence solicited.

John DeBuck

Care Maltus & Ware

14 STONE ST., NEW YORK, N. Y.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

CERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

Seed Trade

The Cannery's Troubles.

The canners are having troubles of their own in securing suitable varieties of peas for planting the coming year; in fact, they are going to find it difficult to get any kind of desirable seed. Most of them use certain varieties and have a trade which requires them to use these particular sorts, consequently it is very important to secure just these particular varieties because although the ordinary individual may not know it, each variety of peas produces a different looking article in the can. In spite of their disinclination, however, to use substitutes, it may be taken as a settled fact that they will be compelled to do so. Many of them do not appreciate the very great shortage this year, and are expecting plenty of seed to make its appearance late in the season as has been the case so often in years past; but this season is not like any within the recollection of any, actively engaged in either canning or seed business. Many of these gentlemen are likely to find it impossible to secure what they want or even anything in the nature of a passable substitute, if they delay their purchases too long. The canners are not alone in the belief that there are more peas in the country than the seed growers would have them believe. Many seedsmen take this view, and they, too, are doomed to the same disappointment; for unless we are very badly informed, it will not be so much a question of prices as of getting the varieties at all, within the next sixty days. The situation confronting the canners is a particularly unfortunate one for them as for the first time in three years, their business is in an especially favorable condition, and they are anticipating large sales of futures and consequently most of them have been planning an increased acreage of peas and corn over the past few years. We believe they will not be able to secure seed peas enough to satisfy their demands but in the matter of seed corn they will have no difficulty in securing all they require, as the crop from all reports was a very good one. In fact, with the exception of peas, they will be able to secure all the seed they want for other lines of their industry.

The Outlook for Prices.

While the catalogue seed men have no doubt determined on the prices they will ask for peas the coming year, many others are still struggling with the problem, and doubtless when they are compelled to reach a decision it will not be satisfactory to them. There is much uncertainty regarding many items besides peas, and one in particular we learn will be extremely short is Hubbard squash. It looks now as if the price of this item would soar above the dollar mark, and it is doubtful if a sufficient supply will materialize even at this price.

Early Orders Advised.

In last week's issue, we ventured the opinion that a few at least of the very heavy growers of peas and beans would be reducing their seed stocks of the former, partly because they

wished to take advantage of the present high prices as an offset to the losses they have sustained this year, and partly because it will be next to impossible to get out as much seed which they planted a year ago; and this in spite of the fact that prices have been advanced to the farmers from 20 to 50 cents per bushel. One of the largest growers of peas we learn planted about 70,000 bushels of seed stock the past year, and they believe it will be next to impossible to get as large a quantity taken the coming season. When one realizes the large amount of capital tied up in such an enormous seed stock, with all the risks involved, they cannot wonder that the house in question has decided to reduce their risk by reducing their seed stock. This is likely to be something of a misfortune to the canners and seedsmen, as the demand for peas of the 1911 crop is likely to be larger than ever before, and larger instead of smaller seed stocks will be necessary to meet this demand; but those who are familiar with this business assert that the losses are so enormous and the acreage this individual firm plants annually is so great that the profits of several good years are required to even up matters. In view of these facts, it looks as if it would be the part of wisdom for both canners and seedsmen to place their orders as early as possible and at whatever prices are quoted them by the responsible growers, as there will certainly come a time before the close of the season when every grower will be contracted to his capacity, and if he has due regard for the interests of his customers he will be compelled to refuse further orders, and the late comers may find themselves unable to get their orders taken.

As the bulb season is now nearly over the trade in general are turning their attention to seeds once again and are beginning to take note of their shortages. Many of those who were late in giving this matter attention are likely to be disappointed in securing items which their trade will require, and have cause to regret that they did not give this matter earlier attention.

Notes.

Mechanicsburg, Ohio.—The addition to the warehouse of Wing & Bros. Seed Co. has been completed. This

FOR EASTER

SOW NOW

Michell's Flower Market Stock

*The stock every good florist knows
Nothing better for cutting*

	1/2 Trade Pkt.	Trade Pkt.	Oz.
Colors: White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red }	.30	.50	\$3.50
Mixed Colors (every shade known)	.30	.50	\$3.50

HENRY F. MICHELL CO.

Now at 518 Market Street,

PHILADELPHIA

is fire proof construction throughout.

San Francisco, Cal.—At the end of the present month the Trumbull Seed Co. will retire from business and discontinue the store at 61 California street.

Manhattan, Kans.—The erection of a new seed storage house was recently begun by George T. Fielding & Sons. It will be about 35x75 feet, three stories in height and equipped with modern seed cleaning machinery.

Des Moines, Ia.—K. H. Guthrie has organized the Des Moines Seed Co. and they have purchased the business of E. J. Hohberger, located at 409 and 411 East 5th street. Mr. Guthrie has sold his interest in the Guthrie-Lorenze Co. of which he was manager, severing his connection with the company to take up this latter proposition.

Sac City, Ia.—The seed house for Conger Ball & Co., which has been under construction for about three months, is now practically completed. This building is three stories in height, 32 x 100 feet, containing office, cleaning room and storage room. Modern cleaning machinery is in use and electric power installed throughout. The cost of the building is about \$8,000.

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.
42 Vesey St., New York.

VEGETABLE PLANTS

	Per 100	Per 1000
CABBAGE —Wakefield and Succession.	20c.	\$1.00
LETTUCE —Grand Rapids, Big Boston, Boston Market and Tennis Ball.	20c.	1.00
PARSLEY —	30c.	1.25

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

(Our grower in England makes a specialty of CYCLAMEN SEED, this strain is noted for size and brilliancy of coloring.)

Cyclamen, Giant Strain. Brilliant, Deep Crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright Red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, Claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1800 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Bulbs Selling Rapidly

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next spring, place your order of bulbs with us this fall. **DO IT NOW.** They will be sold out a little later.

James Vick's Sons
Rochester, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; 1/2-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO. 1215 Betz Bldg., PHILADELPHIA, PA.

S. D. WOODRUFF & SONS

Seed Growers

Dealers in Garden, Field and Flower Seeds.
CATALOGUE and SPECIAL QUOTATIONS.

82 and 84 Dey St., NEW YORK

ORANGE, CONN Warehouse. QUEENS, L. I. Tel. N. Y. 7573 Cortlandt

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Brd Vetches, \$2.25
Sicily Canary Seed, \$2.50	Red Bird Millet, \$2.50
	Per Bush.
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Searff. C. C. Vale.
MIAMI VALLEY SEED CO.
NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.
Props.

37 East 19th St., - NEW YORK CITY

Established 1820

**Thorburn's
Seeds**

CYCLAMEN GIGANTEUM SEED,
Berglinden Strain, new crop.

Special offer to florists of this splendid strain
(sold by us for many years).

PURE WHITE	All 50c. per 100 Seeds or \$3.50 per 1000
WHITE AND RED	
DARK RED	
CARDINAL	
WHITE AND ROSE	
LILAC	60c. per 100 Seeds or \$4.50 per 1000
ROSE	
MIXED	
AURORA BOREALIS	
SALMON QUEEN	

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

FOR THE NATIONAL FLOWER SHOW

or any other event where special
grade is wanted

We Have a Line

of about 25 varieties of the best
FORCING HYACINTHS, mammoth
bulbs, specially selected.

New Crop Sweet Peas

All the the new and desirable forcing
varieties, Spencer and Grandiflora
types.

Send for Catalogue. You'll find it
useful.

"BUDS"

CARL R. GLOECKNER, Pres
76 Barclay St., New York

FRENCH and DUTCH BULBS

For Prompt Shipment
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J CREY CO.
32 South Market Street, Boston, Mass.
Lake Forest, Ills., 11/11/10.

Please discontinue my adv. in your
valuable paper, as I'm sold out; and
send me the bill. Yours truly,
JOHN TIPLADY.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo

will carefully execute orders for Kansas
City and any town in Missouri or Kansas

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Arcola, Ill.—Edw. Yeager is now
employed by T. J. Tenny as designer
and decorator.

Seattle, Wash.—Woelz Bros. have
purchased the florist store of L. P.
Walz, 1608 Second Ave.

Whitman, Mass.—The florists store
of George D. Cook in Holbrook Block
has been closed for the winter.

Detroit, Mich.—Miss Clara Rauss,
who several weeks ago started for
herself at the Central drugstore, has
returned to Breitmeyer's.

Cleveland, Ohio.—Knoble Bros.,
florists, write us that the fire which
occurred Oct. 27, as we have previ-
ously reported, did damage of only
about \$500, one-half of which is cov-
ered by insurance.

Minneapolis, Minn.—The Hotel Rad-
isson Co. has purchased the Radisson

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 19
Minnehaha, N. Y.-London...Nov. 26

Cunard.

Ivernia, Boston-Liverpool...Nov. 22

French.

La Provence, N. Y.-Havre...Nov. 24

Hamburg American.

Amerika, N. Y.-Hamburg...Nov. 24

Holland-American.

Rotterdam, N. Y.-Rotterdam...Nov. 22

Rydam, N. Y.-Rotterdam...Nov. 29

North German Lloyd.

Berlin, N. Y.-Mediterranean...Nov. 19

G. Wash'n, N. Y.-Bremen...Nov. 22

K'pr'z Wil'm, N. Y.-Bremen...Nov. 29

Red Star.

Finland, N. Y.-Antwerp...Nov. 23

White Star.

Arabic, N. Y.-Liverpool...Nov. 19

Teutonic, N. Y.-Shampton...Nov. 24

Baltic, N. Y.-Liverpool...Nov. 26

Cymric, Boston-Liverpool...Nov. 29

Flower Shop, recently in bankruptcy.
The store will be operated under the
Hotel Radisson Co. name. James
Souden, the former manager, has been
retained.

A CHRYSANTHEMUM THAT LIVES.

Few chrysanthemums are now in
evidence commercially that were in
existence when the Mrs. Jerome Jones
had its introduction to the trade. This
incomparable variety still holds a
place and promises to so continue for
an indefinite period. We saw several
crates of the flowers at P. J. Smith's
this week, grown by Becker of Farm-
ingdale, and finer chrysanthemum
flowers have been seen nowhere, tak-
ing form, size, stem and foliage into
consideration. They were simply su-
perb.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Corres-
pondents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
riety of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

WASHINGTON NOTES.

The new retail flower firm of Hardy & Fillis which was started in Washington a few weeks ago has dissolved, Hardy buying out his partner's share.

There is as yet, very little doing in the retail business except with chrysanthemums. The 12th was a record breaking day for large chrysanthemums.

Louis Freeman, who has for some time held a position with the Department of Agriculture, will resign his position there and accept one with his father, J. R. Freeman. He also took a wife unto himself on the 16th of November.

W. E. Abbot, of Cabin John Bridge, Md., is preparing a very exhaustive catalogue of both hardy and single flowered chrysanthemums. Full description accompanies each variety and he is preparing to raise a large number so as to test them out very fully.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 **SEATTLE, WASH.**
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

CINCINNATI NOTES.

E. G. Gillett took in the Indianapolis show last week.

Wm. Speck and party of florists visited Richmond, Ind., last Sunday.

Chas. Murphy went to Cuyago, Ontario, to attend the funeral of his mother-in-law.

Richard Witterstaetter acted as judge at the Indianapolis show the past week.

Miss Claire Murphy returned from Los Angeles, Cal., where she has made her home for the past two years.

Mr. and Mrs. P. J. Olinger visited relatives at Chicago, Evanston and Aurora, Ill., and also took in the Chicago show.

Morris Meyer, formerly foreman at A. Sunderbruck Son's greenhouses, has accepted a position as foreman of the Bloomhurst Floral Co., Lockland, Ohio.

At a meeting of the Cincinnati Florists' Society held Monday evening, November 14th, a committee of five was appointed to formulate plans for a chrysanthemum show to be held in this city next November.

Park Superintendent Herbert Green-smith reports that for the past two Sundays 6,000 persons visited the city greenhouses in Eden Park to view the chrysanthemums on exhibition. He states that the house of pompon and single varieties attracted the most attention.

Visitors. Martin Renkauf of H. Bayersdorfer & Co., Philadelphia, Pa.; C. P. Diltrich, Maysville, Ky.

PERSONAL.

Ernest F. Coe, president of The Elm City Nursery Co., New Haven, Conn., sails for San Francisco Dec. 13th for Japan. The winter will be spent in travel and study of Japanese gardens.

Clara Frances Martin, only daughter of Margaret Thorpe Flint and granddaughter of the late John Thorpe, was married at Chicago on Nov. 14, 1910, to G. Willford Embleton of Woodstock, N. B. Mr. and Mrs. Embleton will reside at 3613 Wabash avenue, Chicago.

NEWS NOTES.

The creditors of Wm. E. Doyle, florist, of Boston, have voted to accept 30 per cent cash in settlement of their claims.

Buffalo.—Good & Halliday, wholesale florists who opened up a commission house on Sept. 1st last, closed their doors a week ago, Mr. Good returning to New York.

NEW FLOWER STORES.

Wilkesburg, Pa.—J. L. Giesey.

Nashville, Tenn.—Geny Bros., 212 Fifth Ave.

Alliance, Ohio.—O. A. Reisch, 29 South Arch ave.

Victoria, B. C.—A. J. Woodward, 1615 Fort street.

Philadelphia.—N. B. Gachor, 110 South 16th street.

Eugene, Ore.—Ruth Bros., Titus Block, East 9th street.

Burlington, Vt.—W. E. Peters, Walker Block, St. Paul street.

Oakland, Calif.—Fred S. Higgins, 7th street near Market street station.

Detroit, Mich.—Jas. Taylor of Mt. Clemens expects to open a retail store at Woodward and Forest avenue.

New York, N. Y.—Ordenez Bros. have opened a new flower store at 826 Sixth avenue, with orchids a specialty. Manuel Ordenez takes the management.

Buffalo, N. Y.—Kreamer, the Florist, opened a retail flower store at Main and Utica streets, on Tuesday, Nov. 15th. Mr. Kreamer is a young man who has been associated with J. B. Wiese for some time and the craft wishes him every success.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 919 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2180-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.

New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New York—International Floral Asso., 1328 Broadway.

Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

BEAUTIES RICHMOND MARYLAND KILLARNEY

We will have plenty of choice stock for your Thanksgiving order, including

Beauties of Extra Fine Quality,

Richmond Roses, 24 in.-36 in. stem, in fact in all grades we will give you good value.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 15	TWIN CITIES Nov. 15	PHILA. Nov. 15	BOSTON Nov. 17
ROSES				
Am. Beauty, Fancy and Special...	25.00 to 30.00	28.00 to 35.00	25.00 to 30.00	25.00 to 33.00
" Extra	20.00 to 25.00	20.00 to 25.00	20.00 to 20.00	18.00 to 15.00
" No. 1	20.00 to 15.00	20.00 to 20.00	8.00 to 12.50	6.00 to 8.00
" Lower grades	10.00 to 15.00	5.00 to 10.00	4.00 to 8.00	1.00 to 3.00
Bride, 'Mald, F. & S.	4.00 to 6.00	5.00 to 8.00	..... to 6.00	2.00 to 6.00
" Lower grades	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00	.50 to 3.00
Killarney, Richmond, Fan. & Sp.	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	3.00 to 6.00
" Lower grades	5.00 to 4.00	4.00 to 6.00	5.00 to 6.00	1.00 to 3.00
Maryland, Chatenay, Fan. and Sp.	4.00 to 6.00	6.00 to 10.00	6.00 to 10.00	3.00 to 6.00
" Lower grades	3.00 to 4.00	4.00 to 6.00	2.00 to 6.00	1.00 to 3.00
CARNATIONS, First Quality...				
Ordinary	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	60.00 to 75.00	30.00 to 60.00	60.00 to 75.00	50.00 to 60.00
Lilies, Longiflorum	10.00 to 12.00	12.50 to 15.00	8.00 to 12.50	8.00 to 12.00
Lily of the valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 4.00
Violets .....	.50 to 1.00	.75 to 1.00	.25 to 1.25	.75 to 1.50
Chrysanthemums, Fancy Blooms ..	6.00 to 20.00	15.00 to 25.00	6.00 to 25.00	16.00 to 23.00
" Ordinary .....	..... to .....	..... to	4.00 to 6.00	4.00 to 10.00
Daisies	1.00 to 2.00	..... to	1.00 to 1.50	..... to 1.00
Snapdragon .....	..... to .....	..... to	4.00 to 12.50	10.00 to 12.00
Sweet Peas .....	..... to .....	..... to .....	..... to	50 to .75
Gardenias	25.00 to 30.00	20.00 to 30.00	20.00 to 25.00	8.00 to 20.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	50.00 to 75.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" " & Spreng. (100 bchs.) ..	25.00 to 35.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF CUT FLOWERS

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers



KRISK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Haager, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N.Y.
For Sale by all Supply Houses

BEAUTIES

As grown by our growers, the best in the country ; we are able to offer quality far above the average. That deep, rich color, long, heavy buds in any quality and any lengths.

	Per doz.	Per 100
Specials	\$5.00	\$40.00
Fancy	4.00	30.00
Extra	3.00	20.00
First	2.50	15.00
Second	1.50	10.00

We are now booking orders for Robert Scott & Sons new roses.

	Per doz.	Per 100	Per 250	Per 1000
Melody, own root	\$6.00	\$30.00	\$70.00	\$250.00
Double Killarney, own root	3.00	20.00		150.00

For grafted add \$5.00 per hundred on Melody and \$10.00 per hundred on Double Killarney. 2 1/2 inch, March Delivery.



RIBBONS AND SUPPLIES OF ALL KINDS
S. S. PENNOCK-MEEHAN CO.,
PHILADELPHIA, 1608-1620 Ludlow Street
WASHINGTON, 1212 New York Avenue

CATALOGUE ON REQUEST
The Wholesale Florists of **PHILADELPHIA**
NEW YORK, 109 West 28th Street

Flower Market Reports.

BOSTON This market shows a very pleasing improvement in tone. Roses and carnations are short in supply as compared with the demand. Violets have taken a big spurt, due in part to the football games and the inspiration has permeated the market in a manner to make glad the heart of the producer. Chrysanthemums are still in full tilt. The best bring paying prices—the worst go for a song. There are fine sweet peas now at 50 to 75 cents a hundred and snapdragon has taken a position among the choice things, bringing unprecedented prices for the season. The outlook is propitious.

BUFFALO Inclement weather during the whole of last week brought trade almost to a standstill. There was nothing doing until Saturday, when the day brightened and a good surplus was disposed of. The sale of Beauties has been light, also everything along the line, except carnations, which have shortened in supply. There are plenty of all grades of chrysanthemums, also roses, violets, lily of the valley, lilies, stevia, mignonette, narcissi and the retailers practically have had their own way as to prices.

CHICAGO Flower show week has the reputation for being a dull one in the market and this one was no exception to the rule. Stock was cleaned up at what it would bring rather than

		PER 100. TO DEALERS ONLY.			
		CINCINNATI Nov. 15	DETROIT Nov. 15	BUFFALO Nov. 15	PITTSBURG Nov. 15
ROSES					
Am. Beauty, Fan. and Sp.	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	25.00 to 35.00	25.00 to 35.00
“ Extra	10.00 to 15.00	15.00 to 20.00	15.00 to 20.00	18.00 to 20.00	20.00 to 25.00
“ No. 1	8.00 to 10.00	8.00 to 15.00	10.00 to 15.00	12.50 to 15.00	15.00 to 20.00
“ Lower grades	4.00 to 8.00	4.00 to 7.00	8.00 to 10.00	6.00 to 8.00	8.00 to 10.00
Bride, 'Maid, F. & S.	4.00 to 6.00	7.00 to 10.00	7.00 to 10.00	8.00 to 10.00	8.00 to 10.00
“ Low. gr.	2.00 to 4.00	3.00 to 6.00	3.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Killarney, Richmond, Fan. & Sp.	4.00 to 6.00	7.00 to 10.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
“ Lower grades	2.00 to 4.00	3.00 to 6.00	3.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Maryland, Chateauf, Fan. and Sp.	5.00 to 6.00	7.00 to 10.00	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades	3.00 to 4.00	3.00 to 6.00	3.00 to 6.00	5.00 to 8.00	6.00 to 8.00
CARNATIONS, First Quality		3.00 to 3.00	2.50 to 3.00	3.00 to 3.00	3.00 to 3.00
“ Ordinary		2.00 to 2.00	1.50 to 2.00	2.00 to 2.00	2.00 to 2.00
MISCELLANEOUS					
Cattleyas	25.00 to 25.00	50.00 to 50.00	50.00 to 75.00	75.00 to 75.00	75.00 to 75.00
Lilies, Longiflorum	6.00 to 10.00	12.50 to 15.00	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 4.00	4.00 to 5.00
Violets	.25 to .50	to	6.00 to .75	.75 to .75	1.00 to 1.00
Snapdragon	1.00 to 4.00	to	3.00 to 5.00	5.00 to 5.00	5.00 to 5.00
Chrysanthemums	4.00 to 15.00	12.00 to 25.00	to 20.00	4.00 to 25.00	25.00 to 25.00
Gardenias	to	25.00 to 35.00	25.00 to 35.00	35.00 to 35.00	35.00 to 35.00
Adiantum	to 1.50	1.00 to 1.50	.75 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	10.00 to 12.00	12.50 to 15.00	12.00 to 15.00	15.00 to 15.00	15.00 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	20.00 to 30.00	40.00 to 60.00	25.00 to 35.00	35.00 to 35.00
“ “ & Spreng. (100 bchs.)	15.00 to 25.00	20.00 to 30.00	35.00 to 50.00	30.00 to 40.00	40.00 to 40.00

be allowed to accumulate. This was particularly true of chrysanthemums and the growers of these flowers have an opportunity this year to study the effects of growing poor stock. The great quantities of poorly grown flowers have been worked off at a low figure and the buyer has come to regard a low price as his right on the better grades. One of the growers was heard to remark that his good blooms brought little more than his poor ones because customers had become accustomed to a low price. There is plenty of first-class stock in the market, chrysanthemums included, and prices on roses and carnations are satisfactory. Cattleyas are scarce and price has advanced.

There was a steady improvement in the market the past week. The demand is more regular, and prices slightly better than at any time during the past fortnight. The outlook for a continuance of the present conditions is very encouraging, judging from inquiries received for flowers the coming week and Thanksgiving only a little over a week in advance of this writing. There is a little let-up in the supply of good white chrysanthemums, while yellow is coming in more freely, with Major Bonaffon and Col. Appleton in their prime; all pompon varieties meet with a brisk demand. Beauties are going off crop and prices about

(Continued on page 715)

M. G. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

37 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan****Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.

Greater New York**Florists' Association, Inc.**

Now Open for Cut Flower Consignments.

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756
Madison Square New York**B. S. SLINN, JR.**

Wholesale Florist

55 & 57 W. 26th St., New York

Tel 3864 Madison Sq.

AUGUST MILLANG

WHOLESALE FLORIST

41 West Twenty-Eighth Street

NEW YORK

Phones 3860-3816 Madison Square

WM. P. FORD

Wholesale Florist

45 W. 28 Street, NEW YORK

Call and Inspect the Best Establishment
in the Wholesale Flower District**WILLIAM F. KASTING CO.**

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO - N. Y.

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes
by the 100, 1000 or 10,000SELLING AGENT FOR
LARGEST GROWERS
The HOME OF THE LILY

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERSWhere best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.**J. K. Allen, 106 W. 28th St., New York**Phone 167-4468
Madison Sq.**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Nov. 12 1910	First Half of Week beginning Nov. 14 1910
American Beauty, Fancy and Special.....	15.00 to 25.00	21.00 to 30.00
" " Extra.....	8.00 to 12.00	8.00 to 12.00
" " No. 1.....	6.00 to 8.00	6.00 to 8.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00
Bride, Field, Fancy and Special.....	2.00 to 4.00	3.00 to 5.00
" " Lower Grades.....	.50 to 1.00	.50 to 2.00
Killarney, Richmond, Fancy and Special.....	3.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
My Maryland, Chateaufort, Fancy and Special.....	3.00 to 6.00	3.00 to 6.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Carnations, First Quality.....	1.50 to 2.00	1.50 to 3.00
" " Ordinary.....	.75 to 1.00	.75 to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones {1664 { Madison Square
1665 }

CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square

Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

Phone 2336-3357 Mad. Sq

Greenhouses: Forest Hill, N. J.

KESSLER BROS.

WHOLESALE PLANTSMEN AND FLORISTS

136-138 West 28th Street, NEW YORK

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**A. L. YOUNG & CO.**

WHOLESALE FLORISTS

Choice Cut Flowers

CONSIGNMENTS SOLICITED

54 West 28th St., NEW YORK

Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.

Wholesale Florists

A. MOLTZ

MAURICE L. GLASS

Coogan Building, 55-57 West 26th Street

NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 713)

normal for this season of the year. Better grade of Taft, My Maryland, Killarney, etc., clean up daily. The market on Bride, White Killarney and Ivory has shown some improvement, even if clearances at times were made at less than quoted prices. Carnations have also felt the improvement and best quality has been selling at \$3.00 and in a few instances at \$4.00 per 100 for extra select stock. Lily of the valley in light supply and good demand. A good call for violets, but light for longiflorum lilies. Small lots of antirrhinum and Baby primrose are coming in and sell at fair prices. Green goods are in good supply with a fair demand.

On some lines the **NEW YORK** market has stiffened up a little; on others, it has gone in the opposite direction. Chrysanthemums continue to occupy the centre of the stage and the quality of much of the stock coming in is simply grand. But there is too heavy a supply for the legitimate demand, and hence considerable of it has to be forced into a sale by cutting the price and letting the stock go for less than it is intrinsically worth. The somewhat brisker and more hopeful tone which the market has presented for the past week is due more, we should say, to the cold weather, which has reduced the cut for the time being, than to any direct increase in the demand. Prices are better on orchids and violets. A little stevia and some occasional forced bulb flowers give notice that holiday time is not far away and it is about time for values to advance to somewhere near the winter schedule. This will not happen, probably, until the chrysanthemum supply is cut down. Roses were never finer at this season than they are at present. As to Beauties, they are not doing so well as the other varieties and the supply is on the short side.

There was a decided improvement in the quality of roses arriving last week, the proportion of 24 and 30-inch stems in Maryland, Richmonds and similar varieties being larger and adding tone to the general situation. The grades advanced from firsts as top, to fancies and specials at proportionate quotations in these lines, and the clean up at the end of the week was unusually good. The only item that hung fire was white roses, the colored varieties being in far better demand on account of the outdoor sports of various

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 12 1910		First Half of Week beginning Nov. 14 1910	
Cattleyas.....	30.00	to 40.00	30.00	to 60.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.35	to .50	.75	to 1.25
Snapeagon.....	1.00	to 3.00	1.00	to 3.00
Chrysanthemums.....	4.00	to 25.00	4.00	to 25.00
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 10.00
Asparagus Plumosus, strings.....	15.00	to 35.00	.....	to 25.00
" " & Spreng. (100 bchs).....	10.00	to 25.00	15.00	to 20.00

kinds. The latter element caused brisk trading in the better grades of yellow chrysanthemums, and violets went well also. Lily of the valley was rather scarce at times, and had to be eked out occasionally with white lilac sprays. The latter is exceptionally good for this season of the year. Orchids are quite scarce, not nearly enough cattleyas for the demand. There will probably be little change in that situation until Dec. 1 at the earliest. Violets are being quoted at \$1.25 to \$1.50 and sellers are mostly holding quite firmly to these high figures, which accurately measure the present situation. There is no change in the American Beauty market. These are plentiful and good with the price list about the same, although slightly easier on special lots at times. Mrs. Ward and Alma Ward lead the procession in carnations.

Business has been fair, **TOLEDO** though the weather was rather against it. Chrysanthemums of course take the lead. Carnations so far are of only medium quality, while roses are good. Potted plants take a back seat as long as chrysanthemums are to be had.

NEWS NOTES.

Connellsville, Pa.—The addition to the greenhouses of George Schomer are just completed. He now has a total of 14,000 square feet under glass. In the near future he expects to open a down town office, sales and display room in the Wyman Hotel.

Dover, N. H.—Walter F. Sherman, florist at the Garrison Hill Greenhouses, while engaged in handling roses embedded a thorn in the little finger of the right hand. He thought little of it at the time, but eventually blood poison set in and he only found relief by having the member amputated.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 { Mad. Sq. 113 W. 28 St., New York.
5893

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

E. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum Croweanum, strong 4 in. pot plants, \$5.00 per 100.
The Storrs & Harrison Co., Painesville, O.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengerii, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. **Luther Maynard**, R. 13, Knoxville, Tenn.
Asparagus Sprengerii, strong, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Azaleas, now ready. Strong plants, nicely budded, short standards, well shaped heads, 10 to 12 in., \$5.00 per doz.; \$40.00 per 100; 12 to 14 in., \$6.50 per doz.; \$50.00 per 100; 14 to 16 in., \$8.00 per doz.; \$60.00 per 100. **Currie Bros. Co.**, 312 Broadway, Milwaukee, Wis.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York
For page see List of Advertisers.

RAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. **Julius Roehrs**, Rutherford, N. J.
Rex begonias, extra fine plants, 2½ in., \$4.00 per 100; 4 and 5 in., \$6.00 per 100. **John Bauscher, Jr.**, Freeport, Ill.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. **Lord & Burnham**, 1133 Broadway, N. Y.

BOILERS—Continued

Kreuschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in stamps. **C. S. Harrison**, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list. **Julius Roehrs Co.**, Rutherford, N. J.

BOXWOOD SPRAYS

BOXWOOD SPRAYS—Packed only in 50 pound crates. Can furnish either long or short branches of the hedge or tree varieties. **Jones, The Holly Wreath Man**, Milton, Delaware.

BOX TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. **Lord & Burnham Co.**, 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
E. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.
Fottler, Fliske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

CANNAS

BEST CANNAS IN THE WORLD.
Send for our new list of latest and best 55 kinds. Stock excellent, prices right. **Conard & Jones Co.**, West Grove, Pa.
CANNAS—Best sorts, big stock. Send for list. **C. Betscher**, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. **I. L. Pillsbury**, Galesburg, Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.
For page see List of Advertisers.
J. F. Erickson, Swampscott, Mass.
Stock Plants.
For page see List of Advertisers.

Herrington's book on the chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Stock plants of Golden Glow, Monrovia, Early Snow, Halliday, Money-maker and others for sale or will exchange for Primula, Cineraria, Cyclamen, Poinsettia, Stocks or Snapdragons. **Stephen B. Hoyt**, New Canaan, Conn.

STOCK PLANTS OF CHRYSANTHEMUMS.

Golden Glow, can ship at once. Will have the following varieties: Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann; \$1.00 per dozen, \$5.00 per 100. Satisfaction guaranteed. **Brant Bros., Inc.**, Ulster, New York.

CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$20.00 per 1000 assorted. **POEHL-MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KELLEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. **J. W. Miller**, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

CLEMATIS

Clematis paniculata, strong 2-year, \$45.00 per 1000. **Parks & Schaufelberger**, Penfield, N. Y.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
Coleus, 2½ inch, \$15.00 per 1000. **R. C.**, \$4.00 per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

For List of Advertisers See Page 721

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whitton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest years seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ. Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA big stock, big clumps, best sorts C. Betacher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias.—For Seedsmen, Dealers and Growers; 50,000 large clumps, up-to-date varieties, cheap for fall delivery and cash. Send for prices and list. J. L. Moore, Northboro Dahlia and Gladioli Gardens, Northboro, Mass.

DAISIES

Daisies, giant double, mixed, 100 prepaid 30c; 1000 \$2.00. Chas. Frost, Kenilworth, N. J.

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

DRACAENAS

Dracaena indivisa, fine strong plants, 2 in. pots, \$2.00 per 100. Cash. F. A. Albrecht, Jr., 90 Vanderveer St., Brooklyn, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oeschlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

FERNS—Continued

F. E. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

R. G. Hanford, Norwalk, Conn.

Holly Ferns and Jardiere Ferns.

For page see List of Advertisers.

H. LePage, Stamford, Conn.

Table Ferns.

For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Nephrolepis Whitmanii, Superblissima, Schoelzeli and Scotti, 5 in. pot plants, \$4.00 per doz., \$25.00 per 100.

The Storrs & Harrison Co., Painesville, O.

Neph. Whitmanii, 2½-inch pot, \$3.50 per 100, \$30.00 per 1000. Scotti, 2½-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Whitmanii & Scotti, 2c. each. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Palverized Manure Co., 31 Union Stock

Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

A. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts.,

Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, 100 prepaid \$1.25; Nutt, Grant, Poitevine, Jaulin, Chas. Garvais, Montemort, Buchner, Ricard, \$10.00 per 1000. Chas. Frost, Kenilworth, N. J.

Geraniums from 2 in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2.00 per 100, \$18.50 per 1000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3.00 per 100, \$25.00 per 1000. Pelargonium, Mad. Loyal, \$5.00 per 100. Cash with order. Write for Geranium catalogue. A. D. Root, Wooster, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betacher, Canal Dover, O.

SURPLUS STOCK of choice named gladioli. Bulbs and bulbets of magnificent novelties and standard sorts. Also choice hybrid seed. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parahelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-iron Greenhouse, New Truss Houses and Iron Frame Houses.** Lord & Burnham Co., 1133 Broadway, N. Y.
Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.
- Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE

- Sidis Institute, Portsmouth, N. H.
For page see List of Advertisers.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.
- King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

- Heliotrope; rooted cuttings, dark colors, \$1.25 per 100; \$10.00 per 1000. Cash. Stephen B. Hoyt, New Canaan, Conn.
- Heliotrope, rooted cuttings, 100 prepaid 75c; 1000 \$6.50. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PERENNIALS

- P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOLLY

- HOLLY—Extra selected stock cut to order. Place your orders early. Jones, The Holly Wreath Man, Milton, Delaware.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.

- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- 10,000 Hydrangea Otaksa, pot grown, 4 in. \$8.00 per 100; 3 in. \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

IMPATIENS

- Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

- Nicotide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Killdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
For page see List of Advertisers.
- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York, N. Y.
Spraying Compound.

INVESTMENT OFFER

- Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

- Boblink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

- Field-grown English Ivy, ready for 4 and 5-inch pots, 2½ to 3 ft., 2 to 5 breaks, "heavy stock," \$7.00 per 100, \$65.00 per 1000. Leonard Long, Oakhurst, N. J.
- Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c; 1000 German, \$4.00. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

- Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.
- Kentia Belmoreana, 2½ in. pot plants, \$35.00 per 100; 5 in., 15-18 in. high, \$60.00 per 100.
The Storrs & Harrison Co., Painesville, O.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers

LEMON VERBINA

- Lemon Verbena, rooted cuttings, 100 prepaid 75c; 1000 \$6.50. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

- J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

- F. B. Pierson Co., Tarrytown-on Hudson, N. Y.
For page see List of Advertisers.

- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

LILY OF THE VALLEY

- Arthur T. Boddington, New York, N. Y.
Cold Storage.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

- Nicotene Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

- P. Ouwkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- The F. E. Conine Nursery Co.,
Stratford, Conn.
Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.
- Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.
- The Whiting Nursery Co., Yankton, S. D.
Cottonwood, Willows.
For page see List of Advertisers.
- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 721

ORCHID PLANTS — Continued

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leathy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PANSY PLANTS

Pansy plants of my largest flowering mixture of show varieties, unsurpassed quality, good size stocky plants, \$3.00 per 1000; 5000 lots, \$2.50 per 1000. Gustav Pitzonka, Pansy Farm, Bristol, Pa.

Pansy Plants, none better at any cost, \$2.50 per 1000; \$10.00 for 5000. J. C. Schmidt, Bristol, Pa.

Kenilworth giant pansies, 100 prepaid 50c; 1000 \$3.00. Chas. Frost, Kenilworth, N. J.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in. \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Magers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

H. A. Dreer, Inc., Philadelphia, Pa.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's) mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmeiske, 72 Court St., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 486 Erie St., Chicago.
For page see List of Advertisers.

PIPE AND FITTINGS—Continued

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trellees. H. D. Seale & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa

PRIMULAS

Primula Sinensis, pink and red, 3 in. pots, \$4.00 per 100. Obconica Grandiflora, red, pink and white, \$2.50 per 100.

The Storrs & Harrison Co., Painesville, O.

20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 inch, \$4.00 per 100; 4 inch, \$7.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula Obconica, Pink, Lavender and Baby Primrose, 2½ in. pots, \$1.80 per 100. Satisfaction guaranteed. Binghamton Seed Co., Binghamton, N. Y.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England. Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

R. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Brasilan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark. Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 No. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
61 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Eickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Flske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Burnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark. Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SMILAX

Smilax, 2 in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

SNAPDRAGONS

Snapdragons, 2-in. pots, Golden Yellow, Coral Red, Rose, Ruby Red, Rose-pink and White, best varieties and novelties for forcing, \$2.50 per 100, \$22.50 per 1000. Dinstel Bros., 1851 No. 62nd Ave., Chicago.

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum Moss per bale 75 cents, 10 bales \$6.50. Cash with order. Chas. F. Uecke, New London, Wis.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

The Whiting Nursery Co., Yankton, S. D.
Asparagus and Rhubarb.
For page see List of Advertisers.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca Variegata—Strong field grown plants, ready for 4 in. pots, \$4.00 per 100. The Storrs & Harrison Co., Painesville, O.

In writing to Advertisers kindly mention Horticulture

VIOLETS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

VIOLET BLOOMS.

Marie Louise violet blooms, good stem and color, \$1.00 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holtou & Hunkel Co., Milwaukee, Wis.

William E. Hellecher's Wire Works, 28-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

XMAS PEPPERS

Celestial or Christmas Pepper, 4 in. pot plants, full of fruit, \$10.00 per 100.
The Storrs & Harrison Co., Painesville, O.

WHOLESALE FLORISTS

For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 84 Hawley St.
Welch Bros., 226 Devonshire St.
H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
Peter Reinberg, 51 Wabash Ave.
Hoerber Bros., Atlas Block, 51 Wabash Ave.
Foshmann Bros. Co., Morton Grove, Ill.
J. A. Budlong, 37-39 Randolph St.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

New York

For page see List of Advertisers.

M. C. Ford, 121 W. 28th St., New York.
H. E. Froment, 57 W. 28th St., New York.
E. C. Horan, 55 W. 28th St., New York.
A. H. Langjahr, 55 W. 28th St., New York.
James McManus, 42 W. 28th St., New York.
W. F. Sheridan, 133 W. 28th St., New York.
August Millang, 41 W. 28th St., New York.
Wm. H. Kuebier, 28 Willoughby St., Brooklyn, N. Y.

Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

A. L. Young & Co., 54 W. 28th St., N. Y.

J. K. Allen, 106 W. 28th St., New York

Charles Millang, 55 and 57 West 26th St.

P. J. Smith, 49 West 28th St., N. Y.

B. S. Sloan, 55 and 57 West 26th St., N. Y.

Frank Millang, New York, N. Y.

Traendly & Schenck, New York, N. Y.

Badgley, Bledel & Meyer, Inc., New York

A. Moltz & Co., New York, N. Y.

Philadelphia

Leo Niessen Co., 1209 Arch St., Phila., Pa.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St., Philadelphia, Pa.

WHOLESALE FLORISTS—**Richmond, Ind.**

E. G. Hull Co., Richmond, Ind.

Rochester, N. Y.

George B. Hart, 24 Stone St.

New Offers in This Issue.**ANNIVERSARY ANNOUNCEMENT.**

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

ASTERS.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

AUCTION OF HARDY ROSES, RHODODENDRONS AND OTHER ORNAMENTALS.

Fruit Auction Co., New York, N. Y.
For page see List of Advertisers.

BOXWOOD AND CHRISTMAS HOLLY.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

BURLAP MATS.

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CHRYSANTHEMUM NOVELTIES.

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

COCOANUT FIBRE SOIL.

20th Century Plant Food Co., Beverly, Mass.

COCOS WEDDELIANA.

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

CYCLAMEN GIGANTEUM SEED.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

HARDY POMPON CHRYSANTHEMUMS.

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

ORCHID IMPORTATIONS.

John DeBuck, New York, N. Y.
For page see List of Advertisers.

WHOLESALE PLANTSMEN AND FLORISTS.

Kessler Bros., New York, N. Y.
For page see List of Advertisers.

FIRE RECORD.

Grand Rapids, Mich.—Fire originating in the Clark Bldg., East Fulton and South Ionia streets caused a loss to the Jones Seed Co. of \$1,000.

Clay Center, Kans.—The greenhouses of Chas. Humfeld met with a loss by fire estimated at \$500 on the morning of Nov. 1st.

Pittsburg, Kans.—The Steinhouser Florist and Nursery Co., 1110 South Broadway, was slightly damaged by fire Nov. 4th. The cause was the overheating of a temporary stove placed in one of the greenhouses during the exhibition.

San Rafael, Calif.—One of the greenhouses and potting sheds of John Martin was completely destroyed by fire Oct. 27th. The house contained a large collection of valuable orchids. Damage to the stock in general was considerable. Cause of the fire was a choked oil burner causing a flare back.

Victoria, B. C.—A. J. Woodward and the Fairview Greenhouse Co. suffered in the big fire that destroyed a portion of the finest business block in the city. Mr. Woodward's store was totally destroyed. The fire broke the plate glass window of the Fairview store and destroyed the stock in the window. Mr. Woodward has opened a new store as reported in another column.

PHILADELPHIA NOTES.

A matinee lecture on "Bulbs as House Plants," will be given by Maurice Fuld at Michell's store, 518 Market street, at 11 a. m., Nov. 21st. Practical demonstrations how to start, care for and bloom same will accompany the lecture. Admission free.

William H. Westcott, late of J. & W. H. Westcott, has purchased a property on Main street, Roxborough, consisting of two dwelling houses and about an acre of ground, where he expects to open a flower store, and build some glass bye and bye. The number on Main street, is among the seventy hundreds. Mr. Westcott will be associated with his son in the new venture.

Cards have been received locally by the myriad friends of Captain Patrick Joseph Lynch, of West Grove, Pa., and New Castle, Indiana, announcing the nuptials for November 23rd, at New Castle, with Miss Forkner, daughter of Judge Forkner of that city. We will all fill a bumper that night, and will be near at hand though far away. "And during all the years to come, O, happy may they be!" All hail, big Chief!

M. Rice & Co. are offering something new for Thanksgiving and Christmas in the shape of red and violet ruscus wreaths. A big shipment of these has just arrived from abroad and are being eagerly snapped up. Being put through the preserving process they are particularly valuable for cemetery use. This item also comes loose and can be bought by the pound in both colors and in this form can be utilized in all kinds of design work. We note here also a good demand for brown and green preserved beech sprays and brown pin oak.

Visitors: John E. Haines and daughter (Mrs. Webber), Bethlehem, Pa.; Coroner J. N. King, Norristown, Pa.

DURING RECESS.**New York Bowlers.**

The Bowling Club meets every Friday evening. Its membership is now 25. The Warendorff prize contest has been postponed a week. The best scores last Friday were: Chadwick, 253; Scott, 186; Manda, 166; Thompson, 165; Shaw, 158; Smith, 140; Nugent, 137; Butterfield, 111.

On Monday afternoon, previous to the monthly meeting of the New York Florists' Club there was a match game between the New York and Astoria bowlers on the New York alleys. Scores were recorded as follows:

ASTORIA.			
Donaldson	170	175	177
Miesem	219	196	171
Siebrecht, W.	178	140	152
Lorenz	131	127	125
Siebrecht, H.	125	126	162

NEW YORK.			
Chadwick	161	200	141
Scott	133	124	180
Ressler	135	128	173
Eisman	171	147	153
Shaw	119	132	179

The next game in the series will be played at the Astoria alleys.

St. Joseph, Mo.—E. S. Welch and G. L. Welch, together with C. G. Ferguson have purchased an interest in the Kelsey Nursery. It is their intention to incorporate the business and continue on a larger scale. Mr. Ferguson will be manager.

List of Advertisers

Page	Page	Page	Page
Advance, The Co. 723	Hoerber Bros. 712	Sheridan, W. F. 714	Thurlow's, T. C. 692
Allen, J. K. 714	Hollywood Gardens 711	Sidis Institute 721	Sons, Inc. 692
American Nursery 705	Home Correspondence School 721	Siggers & Siggers 723	Traendly & Schenck 714
Aphine Mfg. Co. 703	Horan, E. C. 714	Skidelsky & Irwin 709	Trepel, C. C. 391
Aschmann, G. 707	Hunt, E. H. 704	Slinn, B. S., Jr. 714	Valentine, J. A. 710
Badgley, Reidel & Meyer 714	Intern'tl Floral Association 710	Smith, E. D. & Co. 691	Vicks, Jas. Sons. 709
Banner, J. L. 715	Kasting, W. F. Co. 714	Smith, P. J. 714	Vincent, R., Jr. & Sons. 691-708
Barnard, W. W. Co. 709	Kentucky Tobacco Product Co. 704	Smith, W. & T. Co. 692	Wadsworth, B. E. 707
Barrows & Son. 707	Kervan Co. 715	Smyth, Wm. J. 710	Wants, For Sale. 721
Bayersdorfer, H. & Co. 711	Kessler Bros. 714	Standard Plate Glass Co. 722	Ward, R. M. & Co. 703
Bay State Nursery 692	King Cons. Co. 723	Stearns, A. T. Lumber Co. 723	Waterer, John & Sons 705
Beaven, E. A. 715	Krick, W. C. 712	Stoobhoff, H. A. Co. 704	Welch Bros. 712
Bloomington Bros. 691	Kroeschell Bros. Co. 723	Stump & Walther Co. 704	Whiting Nursery Co. 692
Bobbink & Atkins 692	Kuebler, W. H. 715	Syracuse Pottery Co. 722	Wilson 710
Boddington, A. T. 706	Lager & Hurrell. 707	Tailby 711	Wood Bros. 691
Bolciano, J. & Son 709	Langjahr, A. H. 714	Thorburn, J. M. & Co. 709	Woodruff, S. D. 709
Boston Florist Letter Co. 715	Lawrence, H. V. 710	Totty, Chas. H. 702	Yokohama Nursery 705
Boston Plate & Window Glass Co. 722	Leonard Seed Co. 709		Young, A. L. 714
Braslan Seed Co. 709	LePage, H. 706		Young & Nugent. 710
Breck, J. & Son. 709	Leuthy, A. & Co. 707		Zinn, J. A. 711
Breitmeyer's, J. Sons 710	Long, W. H. 710		
Bridgeman's Seed Warehouse 709	Lord & Burnham Co. 724		
Budlong, J. A. 712	MacMulkin, E. 710		
"Buds" 709	Matthews 710		
Buffalo Land Security Co. 721	McCarthy, N. F. & Co. 701-716		
Burpee, W. A. & Co. 709	McConnell, Alex. 710		
Buxton, Doane Co. 723	McCray Refrigerator Co. 711		
Carrillo & Baldwin 707	McCullough's, J. M. Sons Co. 712		
Chicago Carnation Co. 691	McHutchison & Co. 706		
Childs, John Lewis 706	McKellar, C. W. 712		
Clarke's, D. Sons 710	McManus, Jas. 714		
Cleary, J. P. 701	Metropolitan Material Co. 723		
Conine, F. E. 692	Miami Valley Seed Co. 709		
Cowee, W. J. 712	Michell, H. F. Co. 708		
Craig, Robt. Co. 705	Michigan Cut Flower Ex. 715		
Crawback, G. W. 714	Millang, A. 714		
Dards 710	Millang, Chas. 714		
Dawson, H. S. 705	Millang, F. 714		
DeBuck, John. 707	Moltz, A. & Co. 714		
Dingee & Conard Co. 705	Moninger, J. C. Co. 723		
Dodd, Chas. H. 723	Moore, Hentz & Nash 714		
Dorner & Sons Co. 691	Morse, C. C. & Co. 709		
Dreer, H. A. 707-722-723	Murray, Samuel. 710		
Dysart, R. J. 715	N. E. Nurseries. 705		
Dunlop, John H. 710	Nicotine Mfg. Co. 704		
Eastern Nurseries 705	Niessen, Leo. Co. 712		
Edwards Folding Box Co. 712	Oechslein, Frank. 691		
Ellwanger & Barry 705	Ordonez Bros. 707		
Elliott's, W. Sons 708	Ouwkerk, P. 705		
Esler, J. G. 723	Palethorpe, P. R. Co. 704		
Erickson, J. F. 691	Palmer, W. J. & Son 710		
Ernest, W. H. 722	Park Floral Co. 700		
Eyres 710	Parshelsky Bros. 722		
Farquhar, R. & J. & Co. 692	Peacock Dahlia Farms 705		
Foley Mfg. Co. 723	Penock-Meehan Co. 713		
Ford, M. C. 714	Perkins St. Nurseries 707		
Ford, W. P. 714	Peters & Reed Co. 722		
Fottler, Fiske, Rawson Co. 709	Pierson, F. R. Co. 706		
Froment, H. E. 714	Pierson, A. N. 691		
Galvin, Thos. F. 711	Pierson U-Bar Co. 724		
Fruit Auction Co. 701	Plant Food Co., 20th Century. 691		
Gloeckner, Carl R. 709	Peehlmann Bros. 712		
Greiner, N. Y. Florists' Asso. 714	Pratt, B. G. 704		
Grey, T. J. Co. 709	Pulverized Manure Co. 704		
Gude, Bros. Co. 710	Reed & Keller. 715		
Hall Association. 723	Reinberg, Peter. 712		
Hanford, R. Co. 706	Rice Bros. 712		
Hart, Geo. B. 712	Rice, M. & Co. 690		
Hartmann, Halmar 709	Richards Bros. 709		
Herbert, A. H. & Co. 705	Robinson & Co. 712		
Hewes, A. H. & Co. 722	Rock, Wm. L. 710		
Hillinger Bros. 722	Roehrs, Julius Co. 691-705-707		
Hill, The E. G. Co. 691	Roland, Thos. 691		
Hitchings & Co. 724	Rolker, A. & Sons 722		
	Sander & Son. 707		
	Schultz, Jacob. 710		
	Scott, John. 707		
	Sharp, Partridge Co. 722		

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

SAVINGS INVESTED IN REALTY

It pays better than a bank account. Well selected realty investments make enormous returns. It is the safest and most productive form of investment.

On Dec. 1st to introduce ourselves, we will offer 1000 building lots. This property is situated only thirty minutes ride by trolley car from the business center of the City. We predict that these lots will increase 500 per cent. within three years. Buffalo has practically no vacant houses and a population of 450,000. Extension is the order of the day and with extension, values will increase wonderfully. The starting price will be \$75.00 and upward, depending on location. Payments \$25.00 cash, per lot, balance in thirty-six equal installments. The majority of lots face on street car line. The most outlying within five minutes walk. The property is already improved, cement walks, sewerage, water works, gas main and electric light service. Price of lots will advance Jan. 1st. Get in now and reap the benefits. By depositing \$10.00 per lot, before Dec. 1st, we allow a credit of 10 per cent. on your purchase. Satisfaction is guaranteed or your money refunded. Title to each lot purchased will be conveyed to Trust Company to be delivered when payments are completed. If you die before your complete payments, a clear title is made to your heirs, at no further cost. This is better than Life Insurance.

We want agents in your locality. Send us the names and addresses of neighbors who you think may be interested. Do it now.

Enormous profits are being made by others. Join before it is too late. This is one of the best Realty investments ever offered. Write for further particulars.

BUFFALO LAND SECURITY CO.

395 Ellicott Sq. Bldg., Buffalo, N. Y.

GREENHOUSE PROPERTY TO LEASE

I wish to find the right man to lease the greenhouses and the adjoining necessary land and buildings on the estate of the Sidis' Institute, Portsmouth, N. H., one mile from Portsmouth R. R. station.

The plant consists of a large brick boiler house, containing 2 horizontal boilers of ample capacity. There is a brick potting house, 12 by 180 feet. Connected with this house are several glass houses, all with brick foundation and slate benches, giving a total of 12,000 square feet under glass. There are also cold frames of brick with a total area of 4,500 square feet. There are two grapevines with black Hamburgs in fine condition. The necessary amount of land may also be used. There is an ample water supply.

The construction is first class. Everything is in excellent condition.

The right man can have a lease on favorable terms with a good chance for immediate profit.

SIDIS' INSTITUTE

PORTSMOUTH, - - N. H.

FOR SALE Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

INCORPORATED.

Prosser, Wash.—Capps Co-operative Nursery Co., capital stock \$10,000. A. B. Capps, F. L. Capps and H. G. Nelch, incorporators.

Cleveland, Ohio.—Arthur G. Babcox & Son's Co. incorporated to do a gardening and landscape business. Incorporators, George A. Babcox, Edw. Younger, F. G. Castle, E. M. Bell and W. R. Winn.

NEWS NOTES.

Missoula, Mont.—The Missoula Nursery Co. has moved into its new store in the Montana Block.

San Leandro, Calif.—E. Wagner, bulb grower, is removing his establishment from San Lorenzo to this place.

FOR SALE

FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for brickling in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—No. 4 Doric heater, second hand; about 2000 feet 2 inch pipe; the glass of a house 20 x 70 ft., 16 in. x 24 in. lights; about 8,000 or 10,000 flower pots of different sizes; and a lot of good sash 3 ft. x 6 ft. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

HELP WANTED

WANTED.

Orchid Grower—Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address Louis Burk, Girard Ave. and Third St., Philadelphia, Pa.

SITUATIONS WANTED

GARDENER—Well recommended, good experience out doors and under glass, flowers, fruit, vegetables. Address B, care HORTICULTURE.

COMPETENT GARDENER seeks position in charge of private estate. German, wife and one daughter. Capable of taking charge indoors and out. Industrious, sober, well recommended. Address, F. B., care HORTICULTURE, Boston.

MISCELLANEOUS

WANTED—A few hundred Burbank Roses, two-year plants. William Plumb, South Natick, Mass.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.**A. H. HEWS & CO., Inc.**Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices**PARSHELSKY BROS., Inc.**

59 Montrose Ave., BROOKLYN, N. Y.

DREER'S
Florist Specialties
KEYSTONE CEDAR
PLANT TUBS

Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00
B 12 1/4 "	.75	8.25	65.00
C 13 1/4 "	.85	9.35	75.00
D 14 1/4 "	1.00	11.00	90.00
E 15 1/4 "	1.25	13.75	110.00
F 16 1/4 "	1.50	16.50	130.00

Three largest sizes have
handles.

Special PAIL TUB

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER714 Chestnut Street
PHILADELPHIA, PA.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

"GREENHOUSE GLASS" GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

Obituary.

Robert M. Snow.

Robert M. Snow of Springfield, Mass., died recently. He was formerly located in Greenfield and had for many years carried on a florist business.

P. J. Berckmans.

P. J. Berckmans of Fruitland Nurseries, Augusta, Ga., died on November 8, aged 81 years. Mr. Berckmans was a native of Brussels, Belgium. He came to America in 1851, first locating in New Jersey and six years later going to Georgia, where he established the great nursery business which has come to be so widely known. Mr. Berckmans was the leading figure in American pomology, president of the Pomological Society for many years, and vice-president of the International Pomological Society. He was active in all movements for the advancement of horticulture in the South.

Henry Fruck.

Henry Fruck of Detroit, Mich., orchid grower at Jos. Berry's private gardens, died Nov. 7 at Hot Springs, Ark. He was with Mr. Berry for about 15 years and his great success as an orchid grower caused this gentleman to gather the largest and best collection of orchids in the West. With the death of Mr. Berry some three years ago this specialty was

dropped and Mr. Fruck engaged in landscape gardening. Suffering from diabetes for a long time past, he went to Europe two years ago and had some relief after using the waters in Carlsbad, but the malady returned and his present search for relief at Hot Springs did not prove successful, to the sorrow of all local florists.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Pontiac, Ill.—W. J. Miller & Son,
one house.North Tewksbury, Mass.—Frank P.
Putman, two houses.Farmer City, Ill.—John McDonald,
addition.Lansdowne, Pa.—W. A. Leonard,
propagating house 12 x 150 feet.Norwich, N. Y.—E. F. Quinn, range
of houses.Utica, N. Y.—Samuel Pinkstone,
two houses next year.Ringtown, Pa.—Benjamin Zimmer-
man, one house.Punxsutawney, Pa.—Chrisman Green-
house, addition 30 x 180 feet.Philadelphia, Pa.—Frederick El-
ridge, house 17 x 100 feet.Toronto, Ont.—George Hollis, carn-
ation house 21 x 160 feet.Long Meadow, R. I.—Wm. C. Pratt
& Son, two 100-foot carnation houses.Agawam, Mass.—Mark Aitken, rose
house, 32 x 300 feet next spring.Port Huron, Mich.—Thomas Jowett,
one house.Spokane, Wash.—A. J. Burt, one
house 20 x 100 feet; two others to be
erected following this.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.96
1500 2 1/4 " " 5.25	120 7 " " 4.80
1500 2 1/2 " " 6.00	60 8 " " 3.00
1200 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.40	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.5	24 12 " " 4.80
200 5 1/2 " " 3.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent. off for cash with order. Address**Hilfinger Bros., Pottery, Fort Edward, N.Y.**
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

**Syracuse Pottery Co., SYRACUSE,
N. Y.**

ALL THE CLAY
FOR OUR
Florist's Red Pots
is prepared by passing
through a screen 600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

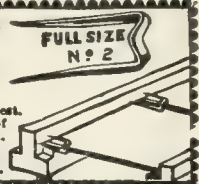
CHARLES H. DODD

Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

**Holds Glass
Firmly**
See the Point **45**
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St. Phila., Pa.



KROESCHELL HOT WATER BOILERS

ORDER NOW

TELEGRAPH AT OUR EXPENSE

This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

Send for catalogue



466 West Erie St., CHICAGO, ILL.

WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

KROESCHELL BROS. CO.

Greenhouse Construction

WINDSTORMS AND SNOW HAVE NO TERRORS WHEN YOU HAVE GREENHOUSES OF THE KING TYPE. WE HAVE ALL KINDS—SEMI-IRON, IRON FRAME AND CHANNEL BAR CONSTRUCTION FOR PRIVATE WORK.

Send for Our Bulletins

KING CONSTRUCTION COMPANY

North Tonawanda, N. Y.

CYPRESS SASH BARS

32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

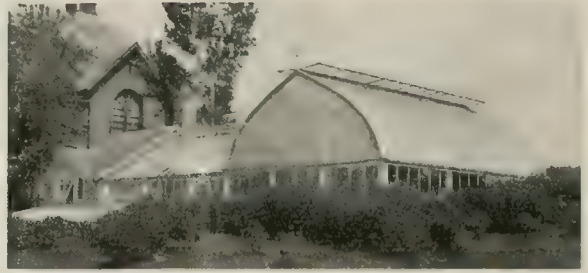
The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.



SUPPOSE You Wanted a Grapery, Who Would You Have Build It For You?

Would the best there is in the business be any too good for you? Would you mind paying a fair price if you got fair treatment and a bang up good job in return? Of course, you wouldn't! Then that settles it, we build your grapery. Let's talk it over at once.

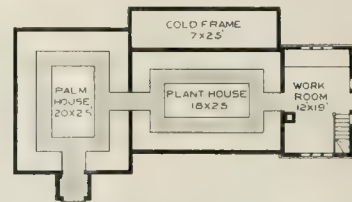
Hitchings & Company
1170 BROADWAY NEW YORK



PLAN 93

And a good common sense plan it is with curvilinear palm house, a plant compartment, and a nice run of cold frames. Compact, attractive and built to last. You can't go wrong on plan 93. The new 100 page catalog describes it in detail.

There are fifty other private greenhouse plans in that catalog. You are bound to find in it just the one you want. Have you this catalog? Want it?



Lord & Burnham Co.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII. NOVEMBER 26, 1910 No. 22



THE MINNEAPOLIS EXHIBITION

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US

ETRUSCAN ART PLANT BASKETS

LET'S KNOW U

HOLIDAY
OPPORTUNITY

Mr. Progressive Florist will you be one of the fortunate ones, to secure some of our Celebrated Art Etruscan Baskets, at Less than cost of making—if so—get Busy and Write to-day.

We have just purchased a large quantity of these baskets. Manufacturer needed Cash. We had it Fair Exchange. We have marked them at just Half the Regular Price.

They are just what you need for your Christmas Plants. All have Pan Linings. When filled with Poinsettias, Azaleas, Begonias and other plants will make the finest Plant Basket that can be had. The color scheme of Old Gold tinged with Viriden Green is a combination that will benefit any plant or home.

No	Length	Width	Depth	Price each	No	Length	Width	Depth	Price each
2134	15½ in.	10 in.	6 in.	\$1.00	2187	15½ in.	10 in.	6 in.	\$1.00
—	18 in.	11½ in.	6½ in.	\$1.25	—	18 in.	11½ in.	6½ in.	\$1.25

ALL HAVE PAN LINING.

Sizes do not include the Uneven Finish which is 3 to 6 in. high and adds so much to the basket when filled with plants.

We are the Originators and Only Sellers of these Baskets. Write to-day and take advantage of this Bargain. The above prices only hold good for this lot while it lasts. Orders received subject to being unsold.

KATALOG for the asking

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO.,

1220 Race Street,
PHILA., PA.

Manufacturers—Importers—Originators

JULIUS ROEHR'S CO.

RUTHERFORD, N. J.

Offer special inducements to those stocking greenhouses and conservatories. The most varied and carefully selected stock of ornamental flowering and foliage stove and greenhouse plants on the American continent. Orchids in unprecedented variety, either established or newly imported. Advice, lists and outfits at your disposal. Call or write.

PALMS, BAYS, CONIFERS, Etc., in All Sizes and Varieties

ORCHIDS

JUST RECEIVED a large lot of Cattleya Trianae, C. Schroederiae, C. Gigas Sanderiana, C. Gigas Hardyana, Miltonia Veixillaria. Correspondence solicited.

John DeBuck

Care Maltus & Ware
14 STONE ST., NEW YORK, N. Y.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World
SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.
CERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials, Araucaria Excelas Compacta Robusta, Excelas Glaucis, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.

Write for Prices.

BOSTON FERNS, 2½ inch \$30.00 per 1000.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON
Whitman, Mass.

GERANIUMS

We have an immense stock ready for shipping, in the best assortment of standard varieties there is in the country; from 3 in. pots at \$3.00 per 100, \$25.00 per 1000; 2 in. pots at \$2.00 per 100, \$18.50 per 1000. We will send 1000, in 20 good distinct varieties, our selection from 2 in. pots for \$18.50 cash. We have been sending out these collections for a number of years and stake our reputation on them.

Our **New Illustrated Descriptive Geranium Catalogue** is ready for distribution; if you fail to get one write us. It is the Geranium Blue Book for 1911, the finest publication of the kind ever gotten out, accurately describing over 400 varieties, including nearly one hundred 1910 novelties.

We are headquarters for Geraniums, and invite a critical inspection of our stock.

See Issue of the 5th and 12th for List of Assorted Plants

R. VINCENT, JR. & SONS CO., White Marsh, Md.

Do You Want to Sell Those Plants?

We are largest buyers of Plants and Flowers in New York. Call or write with samples and prices.

BLOOMINGDALE BROS.
59th St., New York City
C. C. TREPEL

CARNATIONS

Fine healthy, field-grown.

	Per 100
400 Enchantress.....	@ \$8.00
100 Boston Market.....	@ 7.00
Patten and Queen.....	@ 7.00
Pres. Seelye.....	@ 6.00
300 Harlowarden.....	@ 6.00
Var. Lawson.....	@ 6.00

ROSES

Own root, fine stock, 3 inch pots.

	Per 100
Perle and Sunset.....	\$8.00
Bride, Bride-maid, Golden Gate, Kaiserin.....	6.00

Wood Brothers

FISHKILL, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

FERNS FOR DISHES

Assorted varieties,
2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St. - CHICAGO, ILL.

ASTERS

The finest strain of Asters are those known as Smith's Peerless. In two colors, White and Light Pink. These are unequalled by any other strain.

We have a full assortment of Standard sorts at low prices, which will be furnished on application per pound, ounce or less to meet the requirements.

The Best Chrysanthemums for 1911
will be those originated by us. Full descriptions with prices on application.

Also complete line of best standard sorts.

ELMER D. SMITH & CO., ADRIAN, MICH.

WASHINGTON

SPORT FROM ENCHANTRESS—SAME COLOR AS LAWSON.

Invest your money in a variety you know is the best money maker for any one to grow. Rooted cuttings guaranteed.

Ready Jan. 1, 1911. \$10 per 100; \$75 per 1000.

Order To-day

CHICAGO CARNATION CO., 35-37 Randolph St., Chicago, Ill.

LORRAINE BEGONIAS

3½ in. pots.....	\$30.00 per 100
5 " " ".....	50.00 "

CYCLAMENS

3½ in. pots.....	\$20.00 per 100
5 " " ".....	50.00 "

THOMAS ROLAND, Nahant, Mass.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, \$3.50 per 100.

H. LePAGE, Stamford, Conn.

HOLLY FERNS

Pteris Wilsoni, Victoriae, Wilmsetti cretica, Aspidium tusssemense, etc.

Fine, bushy plants, 2 in. pots, in assortment, packed to reach you in perfect condition, \$3.00 per hundred. Cash or satisfactory references please.

R. G. HANFORD, - - - Norwalk, Conn.

CHRYSANTHEMUM STOCK PLANTS

Polly Rose and Bonnaffon. Good clean stock \$4.00 per hundred

J. F. ERICKSON, Swampscott, Mass.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

BEGONIAS GLOIRE DE LORRAINE

	per 100.	per 1,000.
8-inch pots.....	\$20.00	\$160.00
4 " " ".....	30.00	250.00

GARDENIAS

3-inch pots, \$15.00 per 100.	
4 " " ".....	25.00 "
5 in. pots, \$5.00 per doz., \$35.00 per 100	
6 " " ".....	\$6.00 and \$9.00 per doz.

BOSTON FERNS

.25, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

BOBBINK & ATKINS

...World's Choicest Florist and Nursery Products...

RHODODENDRONS.

	Per Doz.
In all bright colors; fine forcing varieties; good value.....	\$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors.....	15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants..	12.00, 18.00, 24.00

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots...	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.....	10.00	
Malus, Flowering Crab.....	15.00	
Diclytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in..	4.00	
Aucuba, fine plants, 18-24 in.....	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

1911

**NEW and RARE
SHRUBS
and
VINES**

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

**TREES and SHRUBS
For Fall Planting**

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitae, Colorado Blues, &c. Also in Catalpas, Birches, Planes, Poplars, &c.

Very large Privet.

Evergreens are dug with balls.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

In ordering goods please add 1 "saw it in HORTICULTURE."

Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUIWERKERK, 216 Jane St., Weehawken Hgh. P. O. No. 1, Hoboken, N. J.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

Fruits and Vegetables Under Glass

ROOT PRUNING, PEACHES AND NECTARINES

Young trees newly planted will often make very strong wood, for a year or two, and if this is not pre-

any approved insecticide and if pests have been bad use XL All, taking care to keep it off the eyes. Proceed with any renovation or top dressing of border which may be necessary.

Peach houses for starting at same date will need



TREE WITH ALL ITS ROOTS, AFTER EXCAVATION



SAME TREE AFTER ROOT PRUNING

vented they will never give satisfaction. Strong coarse wood, carrying very few flower buds will be produced each year. Trees will consequently become unshapely and the roots will be down amongst the drainage, instead of nearer the surface—which latter greatly facilitates feeding.

There is no danger of buds dropping if this operation is done at the right time—viz., as soon as the leaves commence to fall or as soon after as possible and ordinary care is taken with the roots.

Commence operations by getting out a half circle trench around the tree, taking the trunk as the center, nearly down to the drainage. Any roots cut at this distance will not be missed. After this use a fork to pick out soil from between roots, and throw it out of the way. Continue this until about 18 inches from stem and then go down underneath half the ball with the fork to cut off any tap-root or those having a downward tendency. When this has been done ram soil firmly underneath again and proceed with the other half. Lift all roots which are too low and replace soil to within six inches of level, making same firm with rammers. Remove all strong and vigorous roots and spread out fibrous ones evenly over the surface and covering same with soil.

In shortening any roots use a sharp knife, also cut any ends which may have been broken off, as a clean cut always heals quicker and breaks better.

No rule can be laid down as to how much root to remove. Be governed by the amount of growth already made and the condition of the roots. Do not allow the roots to become dry during operations. Spray trees twice a day after pruning; this helps to keep the buds plump.

Early vinery intended for starting December 1st should be pruned and house thoroughly washed down. The vines should have any loose bark rubbed off with the hand. Loose bark harbors pests later. Wash with

similar treatment. Use Gishurst's Compound as a wash. Do not overcrowd when tying in.

Peaches and nectarines in pots can be started at once, provided all necessary potting has been done and trees have had a few frosts on them.

Rhubarb and seakale should now force easily if they were lifted earlier and covered lightly with litter to allow frosts to work on them. If a quantity is to be forced, labor will be well spent to make up a mild hot bed in some suitable place. Otherwise use large pots.

George H. Penson

Mr. Penson's next notes will be on Pot Vines; Melons in Pots; Repotting Fruit Trees—Peaches, Nectarines, Apples, Pears, Cherries, Plums, Figs; Bush Beans; Lettuce; Spinach.

An Interesting Question in Grape Hybridization

Where *Vitis vulpina* is part of a combination of hybrid grapes I have many seeming reversions of that species, and am testing them by planting their seeds to determine as to whether they are true reversions or Mendelian dominants. It has for a long time puzzled me to account for the great number (sometimes as high as 75 per cent.) of reversions of that species when a reversion among other species is quite rare. But finally the following has occurred to me as possible cause.

It is well known that the *Vulpina* blossoms very much earlier than other species. That being the case it may be possible that pollen having *Vulpina* tenden-

cies may fertilize the pistils in advance of other species in the combination.

R. B. White

Seasonable Notes on Culture of Florists' Stock

CARE OF CARNATIONS

It is about time to size up your holiday crop so as to know how many blooms you will be able to have for that date. The grower has quite a problem to solve in coaxing on the blooms or holding back, as the case may be, and the holding them after cutting in good condition. Trade is rather light during the week preceding Christmas, which enables a good many to save their blooms to meet the demand. You can store away every good bloom that has substance a week before the holiday and have them in good condition. In hurrying some blooms along raise the temperature with moderation by all means, as growth is less vigorous than later on. Start now and raise the temperature slowly—a degree every night until 5 or 6 degrees is reached which can be held for a week, then reduce slowly the last week until down to the normal temperature. The plants should be in first class condition to stand this.

The season for propagation is at hand. Give your propagating bench a liberal coat of fresh whitewash and sulphur, using about half a pound of sulphur to 12 gallons of the whitewash. When slaking the lime add the sulphur. After the cuttings are put in they will need spraying and shading for about 3 to 5 weeks when a good percentage should be rooted. Keep the overhead temperature about 50 degrees and bottom heat about 60 degrees.

FINISHING UP OUTDOOR WORK

Flower borders, beds and all ground used for growing of florists' stock, should be freed from all the rubbish, and if the weather condition permits the soil should be thoroughly manured and plowed or dug, as it will save time in the spring as well as getting the benefit of the action of snow and rain and frosts. Now is a good time to collect leaves for the formation of leaf mold which is very valuable to the grower of plants. Hardy plants in borders will now require attention. Our severe winters do considerable injury to many of them but by exercising a little judgment now you will be able to avoid this. Give a covering of long manure or leaves and this will act as a winter protection. You can go on preparing the soil for the planting of trees or shrubbery, but planting should be deferred until spring. On *Lilium candidum* beds place a little straw litter; this will be better than a heavy covering. It acts as a shade to the plants when sunshine follows severe freezing. When time allows, it is well to push on with the preparation of inside soil, so as to have plenty of compost to use when the press of work comes later.

OUTDOOR ROSES

Where there is a nicely established lot of tender or monthly roses that are in regular beds or borders kept for show or summer cutting, they can be carried through the winter by covering with dry forest leaves to the depth of 12 to 15 inches and putting on top a layer of rough manure or litter of any kind to keep the leaves from blowing away. Another way is to lay the strongest growths down and cover with soil which will protect roses that are not sufficiently hardy. In fact all roses,

even of the more hardy class need some winter protection. Roses that are intended for pot culture should now be lifted without delay as it will render this task more difficult if left later. When potting use a rather stiff and highly enriched soil. These also can remain in a pit or frame a good while yet. Pruning can be done just before they are started.

STOCK PLANTS OF CHRYSANTHEMUMS.

Now that the chrysanthemum season is drawing to a close it is opportune to plan the campaign for the incoming year. We can profit by the season's lesson as to which are the best to grow for next year in the line of commercial and retailers' varieties. You will have to select good stock plants of all the varieties you may need. Look up your varieties and carefully decide the number that you intend to grow of each. Where some of the old favorites are surpassed by a new comer use the better one. In short try to obtain some of this season's best in order to keep up to date. Every one seems to have his own way in caring for stock plants. I prefer to plant them on a bench or in boxes, for they will produce better and more cuttings than when they are allowed to knock around under a bench for some time. Another good plan is to plant the stock out in a frame, giving some protection from frost by covering up with mats. One good stock plant should produce from 20 to 25 cuttings. See that every variety is labeled true to name. Give a thoroughly good watering when planting out, and then just enough of water to keep the roots active.

STEVIA FOR CHRISTMAS.

This is a very useful subject around the holidays. Any house or pit where plenty of air can be admitted, and where the temperature can be kept just a little above the freezing point will do, but be very careful that it doesn't go down to that point as they will not stand any frost. If placed in too much heat they will soon become weak and drawn. Those that are grown in pots will want abundance of water; never allow them to suffer for the want of it. Liquid manure about once a week will help to keep the plants in good shape.

WINTER FLOWERING STOCKS.

Seed that was sown last May or June should be, by this time, very well rooted in 5-inch pots. When these plants show their flower spikes the single and double ones can be picked out. The double buds are short and stubby, while the single ones are long and slender. There will be quite a lot of bench room from this out, where the chrysanthemums have been cut out. These stocks can be planted in the same soil providing it is enriched with some good manure. They can be set about a foot each way, which will give them plenty of room. By paying proper attention to their culture they can be made a very profitable crop. Give them plenty of fresh air whenever the condition outside will permit. This is one of the greatest aids in growing this crop. The temperature best suited for stocks is from 45 to 50 degrees at night. Stocks are subject to the attacks of green and black fly. Fumigate on the first signs of these pests. The best kinds for forcing are the Princess Alice, ("Cut and Come Again") and Beauty of Nice.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Calanthes*; Forcing *Dahlia*s; *Geranium*s; *Hydrangea*s; Propagating *Begonia* *Lorraine*; *Swainsona*.

Pentstemon Hybrids



One of the more important introductions of recent years of which the horticultural craft so far has hardly taken due notice, are the new large flowering Pentstemon Hybrids. They represent an improved strain of what is known in continental Europe as the gentianoides class. In hardiness they equal the antirrhinums, that is, they figure as perennials in the mild climate of the South and are generally treated as annuals throughout the Northern States. What distinguishes this new strain is a strong sturdy growth and free flowering qualities. The most conspicuous feature is, however, the wonderful variety in tints and shades of the large tubular funnel-shaped flowers ranging from pure white to a very deep red. The beauty of a mass effect of their tall erect spikes is unsurpassed especially in clear pink and bright red colors. Well done, they attract attention in the mixed flower border at the first sight and I do not in the least hesitate to class them among our most effective bedding plants. The dark-green, glossy foliage is of good form and substance. The bushy habit of growth and the remarkable floriferousness lasting until severe frosts stop vegetation are attributes appreciated and looked for in first-class ornamental bedding stock. As cut flowers pentstemon hybrids have proven a magnificent material for filling vases. Their lasting qualities may not be sufficient for long distance shipping but it is ample for from two to three days' home use.

Pentstemon hybrids should be sown under glass in light soil during February. Pricked over into flats the young plants will be ready for the open ground early in May. A rich garden soil and in Northern States an open sunny position are a necessity. South of New York I should advise to give the ground surface between the plants a thin mulching of dry short lawn clippings until the plants are of a size to shade themselves. The roots, I noticed, do not run very deep but like to spread out and

therefore are apt to be burned by the hot sun rays heating the top soil around them to an injurious extent.

Richard Robin

Northeast Harbor, Maine.

Symplocos crataegoides

This beautiful shrub which is found from the Himalayas to Japan, although introduced from Nepal in 1824 and meriting a position in all gardens where the most desirable flowering shrubs are sought after, is still very uncommon in cultivation. Early in June the white flowers appear in great profusion just as the leaves are commencing to unfold, but the greatest attraction is undoubtedly the beautiful cerulean-blue fruits which color early in the fall and remain in good condition for a long time.

In its native habitat this Symplocos is said to make a small, open-branched tree forty feet in height but in this country it will probably only attain to a broad bush. Some very good specimens are to be seen in the Arboretum which are now about fifteen feet high and every year are a source of much attention, the color of the berries being so attractive and rare among shrubs. It may be propagated from seed, which takes from twelve months to two years to germinate, and when planted out should be given a position fully exposed to the sun and in a well drained loamy soil.

Arthur E. Thatcher

Arnold Arboretum.

Asparagus Forcing

The most important point in regard to forcing this plant is that none but strong roots should be used, and at least two years old. Home grown roots are the best as they can be lifted and stored all ready for forcing, while those that are shipped from a distance are sure to suffer more or less from dryness. They can be grown on any bench that is deep enough to allow sufficient covering to blanch the shoots. They should be covered to the depth of six inches with sand or leaf mold or any light material that will hold moisture. The roots should never suffer for water after they once get started. In about 3 or 4 weeks from the time they were put in, the growth will begin to appear. They like a temperature of from 50 to 55 degrees. They should be lightly shaded so as to draw and help blanch them. Start cutting when the shoots are 2 or 3 inches above the bed, taking care not to break the young growths that are coming up; it will pay to be careful in this matter. By putting in a batch every 2 or 3 weeks, a steady supply can be had. They can also be grown under the benches.

John J. M. Farrell

HORTICULTURE

VOL. XII

NOVEMBER 26, 1910

NO. 22

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292
 WM. J. STEWART, Editor and Manager

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.; six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION Exhibition at Minneapolis.	
FRUIT AND VEGETABLES UNDER GLASS:	
Rust Pruning of Peaches and Nectarines—G. H. Pearson—Illustrated.....	729
AN INTERESTING QUESTION IN GRAPE HYBRIDIZATION—N. B. White.....	729
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK:	
Care of Carnations—Finishing Up Out-door Work—	
Out-door Roses—Stock Plants of Chrysanthemums	
—Stevia for Christmas—Winter-flowering Stocks—	
John J. M. Farrell.....	730
Pentstemon Hybrids—Richard Rothe—Illustrated....	731
SYMPLOCOS CRATÆGOIDES—Arthur E. Thatcher....	731
ASPARAGUS FORCING—John J. M. Farrell.....	731
NEWS GOOD AND BAD FROM E. H. WILSON.....	733
CYPRIPEDIUM × GERMAINE OPOIX—Illustrated....	733
THE EXHIBITIONS:	
Lake Geneva—Minneapolis—Utica, N. Y.—Long	
Branch, Illustrated—Pasadena—Paris, C. Harman	
Payne.....	734
Washington, Illustrated.....	735
Proposed Exhibition at Boskoop.....	736
CHRYSANTHEMUM NOVELTIES CERTIFICATED	
IN LONDON—W. H. Adsett.....	736
A PEEP AT WESTERLY.....	736
CLUBS AND SOCIETIES:	
American Pomological Society—New Jersey Flori-	
cultural Society—Massachusetts Horticultural So-	
ciety—New Trade Society in London, W. H. Adsett	
American Carnation Society.....	738
Society of American Florists.....	740
Club and Society Notes.....	740-741
DURING RECESS:	
New York Bowlers.....	741
WISCONSIN COLLEGE AND STATION.....	742
SEED TRADE.....	744
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.....	746
Flowers by Telegraph.....	747
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati, Detroit, Washington...	749
New York, Philadelphia.....	751
OBITUARY:	
Anthony Riley, Portrait—Rudolph Jans.....	751
AN ENGLISH LIST OF SWEET PEAS—W. H. Adsett	756
MISCELLANEOUS:	
Publications Received.....	733
An Amateur with a Record, Illustrated.....	736
Incorporated.....	736
News Notes.....	742-756-758
Philadelphia Notes.....	744
Chicago Notes.....	747
Personal.....	747
Catalogues Received.....	758
Greenhouses Building or Contemplated.....	758

To improve business methods
 The prevalence of indiscriminate credit giving and want of method in business dealings which has been the subject of comment in these columns on several occasions has again been brought

forcibly forward by the recent large failure in the retail florist trade in Boston. Growers and wholesale dealers have been the victims in this instance for amounts running all the way from a few dollars up to three thousand. Holy-Ghoster Sanford says "Earthquakes will be used to bring men to their senses." The immediate result of the Boston earthquake appears in a numerously signed document calling for a meeting of growers and wholesale dealers in various branches of the trade to consider the feasibility of some plan of united action whereby a system of reasonable limit of time and amount of credit may be agreed upon and generally enforced. As it is now, about all a newcomer needs, to start a flower store, is enough money to pay the first month's rent and a few expenses. He can get all the goods he wants on credit and when one source of supply shuts down he can shift on to another and so on and so on.

The result of the present loose methods above referred to is disastrous in many ways besides the direct loss to those who happen to be creditors when the collapse comes. It opens the way for a class of traders who are not overscrupulous and whose entrance into the business adds nothing, to say the least, to its dignity or standing in the public estimation. It introduces a form of competition which is a menace to the prosperity to the man who is deserving. It is no secret that in Boston, as well as in the larger cities, generally, today there is an element in the trade who do not and will not if they can help it, pay a price for the goods on which any grower can exist. It should be said, however, in justice to the firm which recently went to the wall, that it did not belong to that class. A thorough overhauling of the relationship existing between producer and retail dealer and the adoption of some universal code of rational credit limitation must sooner or later come to pass. There are many wasteful features in the present methods of flower marketing which, in the not very distant future, will demand united attention and adjustment by those most vitally interested. The "go as you please" policy has been a costly experience up to date.

THE SIXTH ANNIVERSARY

of HORTICULTURE'S birth is near at hand and according to precedent we shall signalize it by sending out a

SPECIAL ANNIVERSARY AND HOLIDAY NUMBER

under date of December 10. The hesitancy and timidity in business which we all have noted this fall should now give way to a healthy activity, and the date we have selected for this special issue will be just right for the enterprising dealer in any horticultural wares to invest in

SOME ADVERTISING WHICH WILL PAY

HORTICULTURE stands far in the lead as a paper with interested readers among the most reputable firms and representative men in the trade, and

QUALITY

is the strong point in its subscription list. Publicity such as HORTICULTURE will bring you is

THE KIND THAT IS WORTH HAVING

NEWS GOOD AND BAD FROM E. H. WILSON.

Professor Sargent has placed at our disposal the following extracts from a letter from Mr. E. H. Wilson dated Chengtu, West China, September 10, 1910:

"I returned to Chengtu on the 6th inst., from a round trip to Sung P'an. The trip was highly successful up to within a few days of the finish, when it ended in catastrophe. Three days' journey from Chengtu, whilst descending the lower reaches of the Min valley by the main highway, we were overtaken by a landslide, and I escaped only with a badly broken leg. Both bones are broken about a foot above the ankle, and there is a nasty wound on the outside of the calf. We improvised some crude splints, and I was carried to Chengtu, spending two nights at Chinese inns on the way. Eight miles before reaching Chengtu I overtook some missionaries who very kindly escorted me to the house of Dr. Davidson of the Friends' Mission in Chengtu. Dr. Davidson and his wife, assisted by other friends, immediately took me in hand and rendered every possible assistance. Drs. Davidson and Sheridan set the limb. Dr. Davidson most kindly placed at my disposal a room on the ground floor, and Mrs. Davidson has taken over the duties of nurse, and everything possible for my comfort, etc., is being done. The limb has now been set four days, and is apparently taking a normal course.

"For the time being we are trying to console ourselves with the thought that it might have been much worse. Fortunately, as far as the expedition is concerned, my plans have been so laid that, whilst handicapping us, the accident cannot involve the expedition in failure.

"Turning now from the unfortunate side of things, I have the greatest pleasure in informing you that the majority, at any rate, of the conifers in the west here are fruiting most freely. Young and old, great and small, are simply laden with cones, a wonderful sight. The principal object of my journey to Sung P'an was to try and secure material of the new *Abies recurvata*, described by the late Dr. Masters from very poor material collected by me in 1903. In that year there were no new cones; this year there are millions! I have got most complete material, and later shall get a large quantity of seed. For the Larch we are too late for seeds, and shall have to content ourselves with small plants. Of all the rest I think we shall secure seeds in greater or lesser quantities. Apart from the Coniferae, the most interesting botanical feature was old woods of *Cercidiphyllum*. I measured the stump of one old decrepit giant—fifty-five feet in girth, five feet from the ground! We gathered fruiting material of this tree, and later hope for seeds. This is the first occasion on which I have ever seen fruiting material on any *Cercidiphyllum* in China. I gathered seeds of quite a number more or less interesting plants, and these I shall forward to you as soon as opportunity permits."

CYPRIPEDIUM × GERMAINE. OPOIX.



This is one of the finest of the hybrid cypripediums (*Fairrieanum* × *oenanthum*). We are indebted to Mr. E. V. Low for the photograph. This

hybrid is brother to *C. Gaston Bultel*, which we illustrated several weeks ago with the name incorrectly spelled.

PUBLICATIONS RECEIVED.

The Whistler Book, by Sadakichi Hartmann.—Here is a book which, from its title, would hardly be selected as of any practical value to the florist: but in the very first introductory line the author begins, "The white chrysanthemum is my favorite flower" and this admission induces us to read further. We soon come to the query, "Have you not noticed that a bunch of cut flowers which looks beautiful in one vase becomes ugly in another?" Again—"The beauty of one color in the decoration of space into simple lines and masses * * * we owe largely to Whistler." "He set up the ideal of simplicity." Perhaps no employment affords wider scope for the study of light and tone problems, the "music of color" and the placing and arranging of form and tints so that a pleasing effect is produced on the artistic perceptions than does that of the floral decorator. Whistler's maxim which the author quotes—"A picture is finished when all traces of means used to bring about the end have disappeared" is a good one for every aspiring florist to take home to himself. Genius is born and can never be educated into a man yet the worker in any art may do much to improve his methods by reading and studying the foundation principles of his art and endeavoring to follow the precepts of those who take their inspiration from nature and this is why we are pleased to recommend this book to the floral artist who is ambitious and struggling to give to his decorative work a distinctively artistic character. The

book is embellished with fifty-seven reproductions of the works of the great impressionist artist. Published by L. C. Page & Co., Boston. Price \$2.50.

The "Garden Library."

This set of nine volumes, published by Doubleday, Page & Co., New York, is a rich mine of reliable horticultural information which should find a place on the book shelves of every one who takes an interest in flowers, plants and garden topics. The holiday time is now approaching and we take pleasure in suggesting a set of these books as an admirable Christmas gift, capable of giving life-long pleasure to the recipient. The series comprises the following: *Roses and How to Grow Them*, by many experts; *Ferns and How to Grow Them*, by G. A. Woolson; *Lawns and How to Make Them*, by Leonard Barron; *Daffodils—Narcissus and How to Grow Them*, by A. M. Kirby; *Water Lilies and How to Grow Them*, by H. S. Conard and Henri Hus; *The Flower Garden*, by Ida D. Bennett; *The Vegetable Garden*, by Ida D. Bennett; *The Orchard and Fruit Garden*, by E. P. Powell; *House Plants and How to Grow Them*, by Parker T. Barnes.

Retail florists should recommend these books to their customers who are constantly inquiring for practical information on the thousand and one things connected with plant culture indoors and outdoors.

The Reading Nurseries, J. Woodward Manning proprietor, have been removed to North Wilmington, Mass.

THE EXHIBITIONS

LAKE GENEVA, WIS.

The sixth annual flower show was given in the opera house, Nov. 8 and 9, under the auspices of the Lake Geneva Gardeners' and Foremen's Association, and it was a success in every particular.

The number of entries was not so large as in other years. The exhibit, as a whole, presented a magnificent sight. The vegetables were arranged in the gallery where they made a most interesting display. The main part of the building contained the chrysanthemums, foliage plants, etc., while the stage was radiant with the beauty of roses and carnations.

The exhibition was formally opened Tuesday afternoon with a short address by Rev. John W. Wilson, his remarks, which were very interesting, dealing with the beauty of flowers, and showing that the love of flowers was a strong force for the upbuilding of character.

The annual banquet was given Tuesday evening in the gymnasium of the Y. M. C. A. The tables were tastily decorated. After the banquet the president of the association, William Longland, announced F. M. Higgins as toastmaster, who called upon Frederick Craneheld, secretary of the State Horticultural Society, to respond to the toast, "Our City," which he did in a happy vein. In response to the toast, "Horticulture—Its Possibilities," William Currie, of Milwaukee, who had acted as judge, stated that the show presented by the gardeners was equal to any he had seen in Chicago in the matter of quality. Responding to the toast "Our Society," A. J. Smith, the secretary, gave a short sketch of its organization, object and success, the number of members, etc. Excellent music was furnished in the afternoon and evening by an orchestra.

MINNEAPOLIS.

The list of awards at this big show, which was described in our issue of last week has reached us. Space will not permit our publishing same in full. We note among the frequent winners of the most important prizes in the various classes the names of Holm & Olson, O. C. Swanson, Hiawatha Gardens Co., Minneapolis Floral Co., Elmer D. Smith, Poehlmann Bros., Chicago Carnation Co., L. S. Donaldson, L. L. May, Will Bros. and several others. Julius Roehrs Co. received a certificate of merit for group of decorative plants, Swanson's Exotic Watergarden won the Balsley cup and H. W. Buckbee got two honorable mentions in the chrysanthemum classes.

UTICA, N. Y.

The Utica Florists' Club held their annual show at Genesee Hall on Nov. 10. The show was a good one and entries showed excellent culture. A. N. Pierson of Cromwell, Conn., was on hand with a fine display of chrysanthemum blooms. Among the local exhibitors were Brant Bros. with roses, carnations and chrysanthemums. L. F. Goodwin of Clark's Mills, with carnations and ferns; C. F. Sitzer and R. Kilbourn, Clinton, chrysanthemums; W. K. Dobler, carnations, and J. J. Williams, supplies. J. C. Spencer and W. A. Rowlands provided a lunch.

An orchestra rendered music during the evening.

LONG BRANCH.

The second annual chrysanthemum exhibition of the Elberon Horticultural Society was held at Townley's Hall, Long Branch, N. J., on Nov. 9 and 10. There was a good list of premiums, many of them "specials" and the classes were well filled by the gardeners of Long Branch, Seabright, Roslyn and Deal, where there are many fine private estates, and the show was of creditable high quality. James Kennedy, Peter Murray, Wm.

PARIS.

The International Autumn Show of Chrysanthemums, Fruit and Vegetables held by the National Horticultural Society of France took place in a large temporary building erected on the Cours-la-reine, Paris, from the 4th to 13th November last. The design of the show was, as usual, planned by M. Jules Vacherot and the general coup d'oeil was one of surpassing beauty.

As soon as the visitor passed through the ornamental entrance gate, flanked on each hand by the various offices of the society, he found him-



FIRST PRIZE GROUP FLOWERING AND FOLIAGE PLANTS

At Long Branch, N. J., by C. O. Duncan.

Dowling, A. Bauer, C. O. Duncan, Wm. Turner, P. Ewen, D. C. Kelley, H. Kettel and W. Seymour all figured prominently among the prize winners. The silver cup presented by Charles Bernheimer, for the contestant winning the highest number of points in any one section, excepting Section 6, was won by James Kennedy, first, in cut flower class. Lord & Burnham & Co., gold medal, to contestants winning most points was won by Peter Murray.

PASADENA.

The flower show of the Pasadena Gardeners' Association netted a profit of about \$700, due mainly to the fact that the grounds, tent and light were furnished free. The money will be set aside for the laudable purpose of a fund to build a horticultural hall.

self in a long promenade. There were three main paths intersected at intervals by cross paths to facilitate the circulation of the visitors, an important provision, seeing that on the first Sunday the show was opened about 35,000 people passed through the entrance gate.

Immediately within the precincts of the show were several most ornamental groups of hardy decorative shrubs, arranged in beds and borders. M. Lecolier, M. Brochet and Messrs. Croux et fils were the chief contributors. Along the promenade paths leading straight up to the entrance of the show hall were numerous examples of trained fruit trees of every conceivable fantastic shape and size, even to a pear tree trained in form of a bicycle. Alongside the show hall to

the left we observe a vast array in the classes for horticultural sundries. There are greenhouses, frames, pottery and terra cotta vases for gardens, boilers, tools and every kind of horticultural accessory, forming almost a fair of its own.

The jury assembles early and is divided into 15 sections, a capital plan that enables the awards to be all made by time the President of the French Republic arrives to formally conduct the opening ceremony. The representatives of several foreign countries are here, viz., England, Belgium, Italy, Holland, Germany, besides many Frenchmen bearing honored names in the horticultural world. When their duties are concluded M. Fallieres arrives and is escorted around the show by M. Viger and other officials of the society. This being completed M. Fallieres invests several gentlemen with the insignia of the order of the Merite Agricole in recognition of distinguished service in horticulture. We await his departure and then begin our tour of the show. Taking the chrysanthemum first, of which there are some extremely large exhibits, we notice that this year the number of fantastically trained specimen plants is far greater than in previous years. To attempt to enumerate the exhibits is impossible, and we can only very briefly survey just a few of the most attractive and artistic. Vilmorin Andrieux & Co. set up a gigantic exhibition, consisting of bush plants and trained specimens, set out in a space occupying 130 feet by 60 feet. In one border they vary the arrangement by placing a dainty exhibit of *Gerbera Jamesoni* from M. Adnet. Everywhere else there is nothing but chrysanthemums. Our old friend Nonin has a long border against the side filled with novelties, singles and some new decoratives—Eldorado a yellow, Figaro a bronze and Purpurine. M. Montigny has a long bank of 1909-'10 novelties, Rosette and others.

A handsome circular group most tastefully arranged comes from Leon Durand of Brevannes—vases of grand flowers with ferns and other greenery between set off to advantage the colossal blooms of W. Mease, Mme. Paolo Radaelli, Ferd de Bieve, Mrs. J. C. Neil, etc. M. Geo. Truffaut on a circular bed covered with large blooms of F. S. Vallis has erected a monument 15 feet high, entirely built up with autumn foliage and large blooms of Vallis. A similar but differently shaped composition comes from M. H. Crepin, the base of his being filled in on the level with Mme. Ed. Roger in quantity an outer ring of Rose Poitevine and at the four corners large pyramids in pots with an edging of dwarf *Baronne de Vinols*. These extraordinary compositions are added to by M. Crepin in the shape of a circular pyramid bearing 4 to 500 blooms and by several other exhibitors of these curious examples of cultural skill and patient labor. Other cut bloom and plant classes in the chrysanthemum part of the show are well filled with superb material by scores of noted growers.

New seedling chrysanthemums were shown by many and were judged by a specially appointed floral committee



WASHINGTON FLORISTS' CLUB FLOWER SHOW.

of 14, jointly presided over by M. Max de la Rocheterie and Mr. Harman Payne, with Leon Durand as secretary. Certificates were awarded to 66 novelties, the exhibitors being Mme. Calvat, A. Chantrier, Marquis de Pin, M. Bacque, Rozain, Nonin, Traisnee, Vilmorin & Co., Decault, Doebois, Clement Liger-Ligneau, Ch. Albert, Raillon, Courbron, Heraud, Montigny and M. Martin.

In the floral art section M. Lach-aume put up a dinner table and around it huge vases on pedestals filled with cyclamens, orchids, chrysanthemums, etc., in the most superb style. M. Ed. Debie had some grand floral compositions of white lilac, rose Mme. Abel Chatenay, carnations, etc., in various artistic combinations. Messrs. Truffaut, close by, showed azaleas Mme. W. Petrick and Abel Chatenay with begonias Ensign, Gloire de Lorraine, etc., daintily arranged with a background of palms.

English exhibitors were there in number. Messrs. W. Wells & Co. showed new carnation White House. Mr. Engelmann had a grand display entirely composed of carnations set up in tall vases, most imposing and artistic, and a credit to British horticulture. Messrs. Clark of Dover also showed a mixed collection. Clematis came from George Boucher. Begonias single and double a perfectly dazzling blaze of color stretching high across the hall from Messrs. Vallerand and Billard, two eminent growers. Many other remarkable displays in this section we might go on and enumerate until our space was exhausted.

In the first room opening into the show was a large exhibit of magnificent apples and pears shown by M. Opoix of the Luxembourg Gardens. Passing from this room to the main hall the visitor goes through an archway composed of fruiting vines in pots which extend right and left into the inner part of the great show hall. This is Messrs. Salomon's exhibit, who also in a glass case stage many bunches of grapes in variety. A most

imposing array of glass cases, 55 feet long, contain the produce of Messrs Dupont-Barbier. Grapes also come from Messrs. Mercier and Tessier. There are several long glass cases filled with fine bunches of grapes from other famous fruit growers. At the far end of the hall more fruit in quantity is staged. M. Henri Lequen has a wonderful show of pears in boxes arranged in rows four deep in a continuous run for 42 feet. In these fruit classes there were over 300 exhibitors, some of them in several classes.

Vegetables were staged in a side room and comprised a grand lot from Vilmorin Andrieux & Co. The establishment "A la Pensee," Rigault et fils, Compoint (asparagus) Gauthier Angel et fils, also sent lots.

The Banquet.

At mid-day on the opening day of the show M. Viger presided at a luncheon given to the jury and to the members of the Chrysanthemum Congress. There was a very large company and the chairman, after thanking the exhibitors, referred to the international character of the exhibition. He specially referred by name to several of the distinguished foreigners present, all of whom were given prominent positions on the Jury and whom he desired in the name of the society to thank for their services rendered.

The Grand prix d'honneur was awarded to Vilmorin Andrieux & Co for chrysanthemums. The 2nd Grand prix d'honneur was won by Croux et fils for fruit and fruit trees. Prizes of honor were awarded to Salomon et fils for grapes, to M. Pinon for chrysanthemums, Mme. Calvat for new seedling chrysanthemums, M. Billard for begonias, M. Ribet for fruit, Paul Labbe for big blooms, the Ecole de Plessis-Piquet for chrysanthemums, and to M. Momblot-Bruneau for fruit and fruit trees. A special prize of 100 francs was awarded to Mme. Calvat for the best novelty, the

variety being a Japanese called *Petite Helene de Tiaret*.

The post prandial oratory was of a high order and the speakers were most cordially received. M. Maeda, late Minister of Agriculture for Japan, M. Firmin Lambeau, M. Ch. de Boschere, Baron Von Solemacher, Mr. Harman Payne and others contributed. Sir Albert Rolit reminded his hearers of the great horticultural show to be held in London in 1912, and hoped for a large display from France. He terminated by presenting to M. Viger and to M. Max de la Rocheterie, President of the French Chrysanthemum Society, a silver-gilt medal of the National Chrysanthemum Society of England in recognition of the courtesy and hospitality for many years shown to English visitors from the N. C. S.

The Congress.

On the 5th of November there were two meetings of the Congress in the hall of the National Horticultural Society of France, rue de Grenelle. M. Viger took the chair, the Bureau of the Congress being composed of Messrs. Maeda, Rivoire, G. Truffaut, Nonin, Harman Payne, Birde, Couillard. Papers were read on the history of the chrysanthemum, on the damping of blooms, and a practical object lesson in packing cut blooms was given by M. Crepin. From our point of view the discussion on the need of a pocket edition of the *Repertoire des Couleurs* was by far the most important, and finally it was resolved that a special committee be appointed to consider the question.

The members of the Congress were taken on Sunday, the 6th November, in carriages to view the gardens and museum of the Luxembourg. At mid-day a lunch was given at the Palais d'Orsay and in the afternoon, after a drive in the Bois de Boulogne, a visit to the nurseries of the City of Paris was made. This place is of considerable interest, as all the parks and open places in Paris are provided with plants from these nurseries. The frame ground and various greenhouses stored with millions of bedding plants were of great interest. At the foot of the steps facing the greenhouses the whole party were photographed.

C. HARMAN PAYNE.

PROPOSED EXHIBITION AT BOSKOOP.

The exhibition of forced shrubs and perennials, which will be held in April, 1911, has met with very good support, and will in its extent and importance fairly surpass all the committee's expectations. His Royal Highness Prince Henry has consented to become a patron of the exhibition and the royal family have promised several medals. The hundreds of exhibits will require much more space than we expected at first, so that the space occupied by the exhibition will be at least 3400 sq. meters. There will be exhibits in almost every class. The number of novelties amounts already to 77. One can therefore easily understand that Boskoop is working with enthusiasm and that everything possible will be done to make the exhibition one of the most successful that has ever taken place in Holland.

C. PH. MOERLAND, Sec.

AN AMATEUR WITH A RECORD.



Our illustration shows Boston's most renowned amateur chrysanthemum grower, James Nichol, of Quincy, in the midst of his pets. As there was no exhibition in Boston this year, Mr. Nichol was obliged to go afield for new fields of conquest, and turned up

at Worcester, Mass., with a vase of *Miriam Hankey* which proved eye-openers for the growers of that section and were pronounced the finest flowers in the show. Mr. Nichol is an enthusiastic member of the Gardeners' and Florists' Club of Boston.

CHRYSANTHEMUM NOVELTIES CERTIFICATED IN LONDON.

In addition to the new chrysanthemums mentioned in my previous notes there was another batch of this popular flower which received awards at the National Society's show. About one hundred novelties were submitted to the Floral Committee, indicating that the hybridists are still actively engaged in raising new aspirants for honors. The following were the recipients of first-class certificates: Cedy Mason (Wells & Co., Surrey), a large single, of bright chestnut red, with golden centre; Mrs. Richard A. Witty (Messrs. Wells), Japanese reflexed, chestnut red, with buff reverse; Snowflake (P. Ladds & Co., Swanley, Kent), pure white single, with yellow disc; Mrs. Greening (Butler Bros., Bexley Heath, Kent), a sport from *Caprice du Printemps*, a market variety, of a pleasing shade of pink. Messrs. Butler also received a certificate for Butler's *Caprice*, another sport from *Caprice du Printemps*, the tint being old rose, tipped with gold. Mrs. W. Roots (W. Roots, Cranford, Middlesex), white, medium-sized market variety; D. B. Crane (Martin Spilsbury, Shanklin, Isle of Wight), a bold Japanese bloom, of a rich gold hue, tinted bronze; Ethel Thorp (H. W. Thorp, Durrington, Sussex), a silvery pink incurved bloom. In addition to making a splendid display of chrysanthemums, Wells & Co. exhibited a selection of perpetual flowering carnations. Among them was "White House," which the firm are distributing in Europe for C. H. Totty of Madison, New Jersey. This new white is likely to attain as great popularity on this side as in America. It has already received an award of merit from the Royal Horticultural Society.

W. H. ADSETT.

Haverhill, Mass.—The greenhouses owned by the White Estate have been purchased by Charles H. Newell and they will be taken down at once and removed to his Brookdale Nursery in West Newbury. These houses are four in number, one 24x55 feet, one 12½x70, two 15½x90; also potting shed 14x60, an office building and two boilers.

A PEEP AT WESTERLY.

We recently had the privilege of a very brief call at the greenhouses of S. J. Reuter & Son at Westerly, R. I., and confess astonishment at the wonderful advancement in this place since we last saw it—although it was then recognized as one of the leading New England establishments. Much additional glass has been erected and many old houses have been replaced by new ones of the most modern type. Chrysanthemums were still in the foreground at the time of our call, and one would have to look far to see better examples of *Nagoya*, *Chadwick*, *Eaton*, *Maud Dean* and other useful commercial sorts. Belfast, sent out as a new variety by a Maine florist last year, appears, as grown in Westerly, to be simply *Chadwick*. W. T. Brock is proving very satisfactory, being of a desirable tint of pink, lighter than *Enguehard* and a larger bloom than that popular sort. *Dolly Dimple*, sulphur yellow, is another one that has made good this season.

The carnation houses here are worth going a long distance to see. Finer plants would seem to be impossible. All the meritorious new kinds are grown in quantity but first on the list, in Mr. Reuter's esteem is *Pink Delight* and another favorite is *May Day*. For a novelty, to be grown in moderate quantity *Conquest* is in much favor.

A propagating house erected the past season has capacity for 100,000 cuttings. It is benched on the same plan as that of Peirce Bros. at Waverly, Mass., with separate beds, 5x10 ft., located cross-ways of the house and accessible from three sides. Each bed has its own set of heating pipes underneath. There are 30 such beds in this house.

INCORPORATED.

Hartford, Conn.—The Texas Orchard Development Co. to deal in seeds, plants, trees, etc., also to purchase and lease land necessary for dealing in fruit and vegetables, and for various other purposes. Capital, \$1,500,000. Incorporators, Edward M. Day of Hartford, Benedict E. Lyons of Thomaston and Nellie Annis of Manchester.

New Forcing Irish Rose "MELODY"



The raisers of Killarney, Liberty, Mrs. Jardine and many other splendid roses both for forcing and out doors — Messrs. Alexander Dickson & Sons, the famous Irish rosarians — after exhaustive tests both at home and in America, have selected "**Melody**" as the best from hundreds of fine new varieties and we have arranged with our grower to put same on the market in the spring of 1911. The flowers are a lovely shade of yellow, deepening to apricot in the center, perfect in form, and very durable. **Melody** is a great producer and is destined to become a standard commercial sort, and a moneymaker to all who handle it — whether grower or retailer. We can furnish flowers of this great novelty now — at the following prices: —

Cut Flowers of Melody

Special	. . . . .	\$15.00 per 100
Fancy	. . . . .	12.00 " "
Extra	. . . . .	10.00 " "

Order some of the flowers of this fine novelty and show your customers the latest and best in the rose line.

We are also booking orders for plants of "**Melody**" for spring delivery at the following prices: —

Plants of Melody

ea.	doz.	25	50	100	250	1,000
\$0.75	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00

These are **Own Root** plants. We do not offer in grafted, as it has been found from experience that this variety does best as "Own Root."

We Also Offer For Spring Delivery

PLANTS OF DOUBLE KILLARNEY

A sport from White Killarney — pink in color — but nearly twice as double as the old variety; more prolific and a better shipper.

		ea.	doz.	25	50	100	250	1,000
Own Root	2 1/2"	\$0.50	\$4.00	\$6.00	\$11.00	\$20.00	\$40.00	\$150.00
Grafted		.75	6.00	10.00	17.50	30.00	70.00	250.00

All orders will be filled strictly in rotation. Propagation limited; therefore, orders should be placed at once to insure getting these great varieties this year.



S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA 1608-1620 Ludlow Street **NEW YORK** 108 W. 28th Street **WASHINGTON** 1212 New York Avenue

EXCLUSIVE FLORISTS RIBBONS AND SUPPLIES

Lily of the Valley---Cold Storage

FOR CHRISTMAS FLOWERING

Cold storage valley pips will force naturally in about 21 days in a temperature of 58° to 60° or even less. Write or wire your orders at our expense.

Price \$1.75 per 100; \$3.25 for 250; \$6.50 for 500; \$12.50 per 1000.

ARTHUR T. BODDINGTON, Seedsman,

342 WEST 14TH STREET,
NEW YORK

CLUBS AND SOCIETIES

AMERICAN POMOLOGICAL SOCIETY.

The report of the thirty-first session of the American Pomological Society, held at St. Catharines, Ontario, at the invitation of the Provincial Fruit Growers' Association, is now being distributed to its members. This national society numbers in its membership about six hundred persons, having horticultural interests, either as amateurs or professional fruit growers.

The report, as usual, contains a large amount of information of the greatest value to present or future orchardists and gardeners. In its 350 odd pages, there are chapters on the following subjects: Orchard management; the latest on lime-sulphur sprays, being a symposium on this subject; a discussion of the adaptation of varieties to soils and climates by experts on soil and pomology; the pecan and chestnut by pioneers in these industries; gooseberry culture, with special relation to methods of growing the English varieties; grape varieties of the East and the West; and a very important chapter on co-operation in the marketing of horticultural products.

In addition to these live topics, the volume contains a report of the General Fruit Committee, which is, in effect, a summary and statement of the developmental condition of fruit growing in different parts of the country. This gives the status of fruit-growing projects, the trend of the industry, in different sections, and the outlook. To the person considering the question of engaging in horticulture in some of its forms as a life work, this part of the volume will be of great service.

This society is non-sectional, non-partisan, working only for the advancement of the fruit-growing interests of the country at large. The

president of the society is L. A. Goodman, Kansas City, Missouri; secretary, John Craig, Ithaca, New York; treasurer, L. R. Taft, East Lansing, Michigan.

NEW JERSEY FLORICULTURAL SOCIETY.

The N. J. F. S. held their regular meeting at Orange, N. J., Nov. 11th. There was a fine display of roses, carnations and chrysanthemums and the quality of the exhibits was excellent. Nomination and election of officers will take place at next meeting. Wm. Reid, gardener for S. M. and A. Colgate will read an essay on the care of apple trees. The following awards were made by the judges—Messrs. D. Kindsgrab, Edw. Persson and James McManus: A. F. Larson, roses 95 points; Frank Drew, roses 93 points and certificate of merit; Wm. Reid, carnations 95 points, chrysanthemum plants 98 points and cultural certificate and Dracaena Lindenii 90 points; Max Schneider carnations 75 points; Lager & Hurrell orchids 85 points; Fritz Bergland chrysanthemums certificate of merit.

WM. REID, Sec'y.

MASSACHUSETTS HORTICULTURAL SOCIETY.

At the annual election of officers of this society on Saturday, Nov. 19, the following named gentlemen were chosen as officers for the year 1911:

President Charles W. Parker; vice-president (for 2 years), John K. M. L. Farquhar; trustees (for 3 years), Ernest B. Dane, John A. Pettigrew, Stephen M. Weld, Wilfrid Wheeler; nominating committee, Francis H. Appleton, Frederick W. Damon, Harry E. Fiske, Charles W. Hoitt, Josiah B. Shurtleff, Jr.

A NEW TRADE SOCIETY IN LONDON.

On Nov. 1 a meeting was called in London for the purpose of starting a society for the Metropolitan florists and fruiterers. It is estimated that the number coming under this description in London totals about 7,000. The new association was inaugurated under very promising conditions. There are certain matters upon which the new organization will be able to effectively protect the interests of the members. For instance, there is now a new Shop Hours Bill under discussion. As at present drafted this measure will seriously hamper the trade, whose exceptional conditions prevent it being regulated in the same manner as businesses handling non-perishable goods. It is also intended to deal with the grievances which harass the trade owing to the carrying out of the Factory and Workshop Acts. The association, among other things, will seek to secure: Guaranteed weights in wholesale measures; regulation of charges on empties; the taking of legal action on behalf of the members on all points of general trade interest; the arrangement of insurance on favorable terms to the members; generally to deal with all points affecting the retail traders' interests, and to formulate and push forward by all means reforms which from time to time may be considered necessary for the well being or protection of the trade. W. H. ADSETT.

AMERICAN CARNATION SOCIETY.

P. M. DeWitt, Bridgewater, Pa., submits for registration, new carnation Pennsylvania (Boston Market × Harlowarden.) Color cerise, a little lighter than Mrs. Lawson. Size of flower 2½ to 3 inches. Free from all disease. Vigorous in growth. Long wiry stems. Blooms all winter and seldom splits the calyx. Very fragrant and one of the best keepers.

A. F. J. BAUR, Sec.

::Chrysanthemum Novelties::

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. : : : : : : : : : :

IN NEW CARNATIONS I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalog will be ready in December. Send for a copy. : :

CHAS. H. TOTTY, : : : : MADISON, N. J.

MORE "EDUCATION" FOR THE FARMER.

A new fertilizer paper has been started in the South, which announces that one of its purposes will be to "Educate" the farmer in regard to the great advantages of mixed fertilizers, and the folly of home mixing. One of the means to this end consists of a series of cartoons representing the farmer in a most uncomplimentary way. The text accompanying these is an insult to the intelligence of the farmer. The plan is to have the local papers reproduce these, and in this the aid of the local fertilizer agent is expected. The editorial announcement concludes by stating that: "Once the good work is started, and the editors of the agricultural papers are convinced of the big savings to the farmers from using commercial fertilizers manufactured in an up-to-date factory, the battle will be won."

The battle is not likely to be won at all on this basis. Many local dealers are heartily in favor of meeting the wishes of their customers for raw material. Opposed to this is the attempt of the manufacturer to bind the local dealer not to sell raw materials, and if this fails, the manufacturer will not give the same credit accommodations on raw material as on mixed goods. The custom of manufacturers in giving a local dealer exclusive territory on the firms' brands, and then giving his next door competitor exclusive territory on brands of exactly the same composition but sold under the name of some "Bay window" company belonging to

the same manufacturer, and continuing the process as long as the supply of dealers in a given town holds out, is not one that is likely to make the local dealer favor the manufacturers and their anti-home mixing plans, as against the best interests of the dealers' customers.

The editors of the agricultural papers are too well informed to take up any such scheme and they, as well as their readers, know that wherever home mixing has been intelligently tried, the "Big savings" are all on the side of home mixing. It has been repeatedly shown that in factories equipped with the most elaborate machinery for mixing, it is by no means an unusual thing for goods to be mixed by exactly the same process as the farmer would use at home. This is especially true for small lots of high grade goods made from the best class of raw materials.

Many large factories are returning to the old process of wet mixing, and for this work there is a great advantage in using mixing machinery, since the process involves the use of sulfuric acid and has the manufacturing advantage of permitting the utilization of low grades of raw materials that a farmer would never think of buying, if offered to him in their unmixed condition; it also serves to disguise the filler.

The manufacturers continue to press the sale of 10-2-2 in the South, and 2-8-2 in the North, both of which permit the use of low grade raw material and filler.

The farmer demands formulas better suited to his crops and soils, and containing less filler. Brands of higher

grade are meeting with increased sale, and farmers are learning that they can make their own brands to suit themselves. The ridicule of the trade papers will not deter them in this.

Home mixing is now rendered much more practical and profitable by the fact that dealers or farmers can now buy both nitrate of soda and potash salts direct from the producers, where heretofore they were obliged to get them through fertilizer manufacturers, many of whom placed all sorts of obstacles in the way of such purchases. This dealing direct with the producers of the two substances needed to supplement basic slag, acid phosphate or bone, in producing complete and filler-free fertilizers suited to the various needs of the farmer, results in a marked saving in cost of the raw materials and so adds to the profit resulting from home mixing.—*Adv.*

The Gardeners' Chronicle of London, publishes in its issue of November 12, a very readable article from the Kew Bulletin, by Mr. W. J. Bean on his recent visit to the Arnold Arboretum. This story of the impressions gained by a gentleman so observant and well-learned in tree growth, concerning Boston's renowned Arboretum will find many interested readers in this country as well as across the sea. In connection with Mr. Bean's communication the Chronicle sends out a supplement illustrating Jackson Dawson's new rose "Professor C. S. Sargent." This was the name originally given this rose but on account of the existence of another rose so named, we understand that the title has been changed to "The Sargent Rose."

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Princeps, \$6.50 per 1,000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Paper White Grandiflora, 13 c/m and up, \$9.00 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

Per 1000	Per 1000
Chrysolora \$7.00	Prince of Austria 12.00
La Reine 8.00	Rose Luisante 14.50
Rose Grisdelin 8.50	Vermillion Brilliant .. 18.50
Thomas Moore 8.00	Single Finest Mixed , all colors, for bed-
Keizerskroon 10.50	ding 7.50
Mon Tresor 11.50	
Murillo , the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.	
Salvator Rosa , \$14.00 per 1,000.	
Gesneriana Spathulata , the true gesneriana, the finest of all late tulips, \$9.50 per 1,000.	
Double , finest mixed, all colors for bedding, \$8.50 per 1,000.	

For other Bulb Stock, see our complete wholesale bulb list, free on application

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
N. Y.

HYACINTHS

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties, see wholesale list), \$4.00 per 100, \$35.00 per 1,000.

Separate Colors, single, pink, white and blue, \$20.00 per 1,000.

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.

White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips, \$8.00; case containing 1,000 pips, \$15.00.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Multiflorum, case 300 bulbs, \$13.50.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1 1/4 inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties—Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Gladiolus America, the finest of all gladioli for forcing, \$5.00 per 1,000.

Spirea, in case lots of 100 bulbs—**Japanica**, \$4.50 per case; **Compacta Multiflora**, \$5.50 per case.

Pot-Grown Lilacs—Marie LeGraye and Chas. X., \$9.00 per dozen.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Chrysanthemums.

Public notice is hereby given that Elmer D. Smith & Co., of Adrian, Michigan, offer for registration the chrysanthemums described below. Any person objecting to the registrations or to the use of the proposed names is requested to communicate with the Secretary at once. Failing to receive objection to the registrations, the same will be made three weeks from this date.

Raisers' Descriptions.

Smith's Advance.—Japanese pure white, early, flowering from July 25th onward, Commercial section.

Unaka.—Japanese incurved, silvery pink, in perfection Oct. 1st to 15th, Commercial section.

Chrysolora.—Japanese incurved, bright yellow, flowering Oct. 15th to 30th, Commercial section.

Paper White.—Japanese, form ball shape, pure white, ready to cut Oct. 20th and later, Commercial section.

Minta.—Pompon, light pink, shade of Enchantress carnation.

Morristown.—Large Japanese, outer petals reflexing, center incurving, color light pink, Exhibition section.

Oceanic.—Japanese, very delicate pinkish salmon, outer petals reflexing, center incurving, Exhibition section.

Glen Cove.—Japanese, light lavender, outer petals broad and reflexing, center incurved, Exhibition section.

Lenox.—Japanese, incurved petals broad, inner surface bright yellow reverse lighter, Exhibition section.

Tarrytown.—Japanese, incurved light

DIRECT IMPORTATIONS

At Foreign Growers' Prices

SPRING SHIPMENT

Kentias.—Made up and single, Araucarias, Bay Trees, etc., from Ghent, Belgium.

Roses, **Rhododendrons**, **Paeonies**, **Boxwood**, etc., from Boskoop, Holland.

French Ornamentals, **Japanese Nursery Stock**, **Perennials**, etc.

SHIPMENT FROM NEW YORK

Japanese Lilies, **Giganteum**, etc.

Valley Pips, **Hamburg** or **Berlin** type, all grades.

Raffia, **Red Star** brand and 3 other grades in bale lots, also colored.

McHUTCHISON & CO., 17 Murray St., New York

pink, slightly shaded salmon, Exhibition section.

Poughkeepsie.—Japanese incurved broad petals, creamy white, Exhibition section.

Madison.—Japanese petals of extraordinary length, outer ones reflexing, creamy white slightly suffused pink from later buds, Exhibition section.

Dick Witterstaetter.—Japanese reflexed, bright crimson, Commercial section.

H. B. DORNER,
Secretary.

November 17, 1910.

CLUB AND SOCIETY NOTES.

The cash prizes distributed at the recent show of the American Institute, New York, amounted to \$849.00.

Richmond has extended an invitation to the State Florists' Association of Indiana to hold its exhibition of 1911 in that city.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Halili)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

During Recess

New York Bowlers.

Last Friday night was an "off night" apparently. Scores by the lonely four were as follows:

Berry	148	129	137	198
Shaw	163	146	143	167
Smith	143	145	147	119
Nugent	94	116	96	93

Columbus, O.—The Columbus Florists' Club gave its second dance of the season Wednesday evening, Nov. 16, at Vandalia Hall. The club will entertain with dances fortnightly during the season.

CLUB AND SOCIETY NOTES.

A pretty group of rare orchids from the estate of Mr. E. B. Dane was displayed at Horticultural Hall, Boston, on Nov. 19. In it were Laeliocattleya × Timora × C. Loddigesii; Cattleya labiata × Maroni; Cyripedium William McKinley; Cyripedium Leeannum R. × purum; Cyripedium Dante Magnificum; Vanda coerulea bearing a superb spike of deep blue; Cyripedium insigne Sanderæ, a grand plant with 16 flowers.

The private show held by the Detroit Club in its rooms last Friday brought out a very good general display. Fred Breitmeyer took all the honors in roses and carnations. Thos. Brown cleaned up in large chrysanthemums and Taepke showed the best assortment in commercial sizes. In potted plants Chas. Plumb took the honors. Lorraine begonias by M. Bloy were especially fine. Messrs. Danzer, Stevenson and Mitchell acted as judges.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

Established 1820

*Thorburn's
Bulbs*

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Aphine
*The Insecticide that
kills plant Lice
of every species*

CANADIAN FLORISTS

Messrs. Hall & Robinson, of Montreal, state:

"Aphine is superior and much cheaper than any other insecticide we have ever used."

Messrs. P. McKenna & Sons, of Montreal say:

"We use Aphine in preference to any other insecticide. One advantage being that it is free from the disagreeable odors of tobacco products."

Aphine is sold by
DUPUY & FERGUSON
Montreal, Quebec

THOMAS A. IVEY & SONS, Ltd.
Port Dover, Ontario

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

Cold Storage Lilies

There is nothing more useful in the modern flower shop than a pure white lily of quality. It may be used for many purposes and on many occasions with perfect propriety and profitably. To a design it adds unexcelled refinement and beauty and costs no more per square inch to cover than other flowers.

The man who conducts a modern shop must have lilies because modern buyers demand them. This demand is increasing year by year, and it is satisfied largely by Horseshoe Brand Cold Storage bulbs, which are beyond a doubt at the present time, the very best in the world. They will average more profit per thousand bulbs than any brand known, and that is because they have been selected only from the healthiest and finest fields in Japan.

Prices are standard and free upon application



Ralph M. Ward & Co

12 West Broadway
NEW YORK

of Few Cheap
But How Good

WISCONSIN COLLEGE AND STATION.

A modern horticultural building, with pottinghouse and greenhouse, is being constructed for the horticultural and plant pathology departments of the College of Agriculture of the University of Wisconsin at Madison. The entire new structure will cost about \$60,000 exclusive of equipment and will provide much needed additional facilities for instruction and research work in horticulture and plant pathology at the Badger Institution. One range of four greenhouses 20x100 is completed and a pottinghouse adjoining this is about finished. These houses will provide more than twice the glass area in use at the present time.

The main horticultural building will consist of a three-story, fire-proof, rectangular structure 48x128 feet forming the main section of what will ultimately consist of a central building with two wings. The construction will consist of reinforced concrete with brick exterior trimmed in stone and red tiled roof, being absolutely fire-proof throughout. The building is located upon a south-west slope and the high basement will give a well lighted basement story, which will include a large machinery laboratory for orchard, garden and spraying machinery, separate storage cellars for vegetables, fruits and seeds, a general storage room, a laboratory for the preparation and demonstration with spraying materials and a general work room.

The main floor provides four private and one general offices and a small private laboratory, a large general laboratory and cloak-room, a class-room which will seat 125 students, and a large laboratory for landscape work, accommodating 50 to 60 students. There will be offices for the extension department, a seminar and reading room and an extensive museum and hebernium. One end of the second floor will be devoted to a large class room, seating 250 students, and the other end will be occupied by the department of plant pathology. Offices, laboratories, museum and a large general laboratory are provided. The third or attic story is arranged so that it may be finished, providing a large laboratory and store-room.

About 300 feet south of the main structure are located the pottinghouse, south of which are the greenhouses. The pottinghouse, 20x68 feet, is joined to the greenhouses by a covered driveway and contains a general potting laboratory, a room for the preparation of spray mixtures, storage quarters for bulbs, a mushroom growing room, an attendant's office and storage for tools. The 100-foot greenhouses are divided into 33-foot sections, all of which are equipped with high benches except one 66-foot section, which will be used as a garden house for instructional purposes. One section of the greenhouses will be used by the plant pathology and agricultural chemistry departments. Another section is fitted as a conservatory. A laboratory, 20x33 feet, for the plant pathology department adjoins the greenhouses devoted to that work. The entire plant will be heated by steam from the University heating station.

The work of the horticultural department is developing rapidly under



True Conservation

Conservation has become a watchword and is on every tongue. When its novelty has passed and we come to consider its true meaning, we shall find that conservation of the resources of the soil of our farm lands is the most important element in the whole subject.

The American farmers have been a race of unconscious soil skimmers.

Now, we want not only to conserve productivity, but to restore some of that removed. We must get down to facts.

One fact often lost sight of is that we can double the value of clover and farm manure by supplementing them with

Potash and Phosphates

thus making a complete and balanced fertilizer. This is true soil building as well as plant feeding.

It Will Pay, for Potash Pays

We will sell you Potash through your dealer or direct, in lots from one bag (200 lbs.) up. Write for prices.

GERMAN KALI WORKS, Continental Building, Baltimore, Md.
Monadnock Block, Chicago, Ill.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

the direction of Prof. J. G. Moore, recently appointed in charge of the department. Associated with him are Mr. O. R. Butler, appointed this summer, who will devote his attention primarily to research work. Mr. J. G. Milward devotes his time primarily to extension work, conducting orchard and potato spraying demonstrations at many points in the state and extension experiments in potato growing. Mr. A. J. Rogers is assistant in instructional and experimental work in vegetable forcing, market gardening, orcharding, etc., and Mr. J. Johnson is assistant in tobacco investigation. With the new facilities provided by this building the increased demand in the department for instructional and research work will be met.

NEWS NOTES.

Richmond, Va.—The Bell Bryan Nursery will erect a brick addition to their present building costing \$5,000.

Milford, Conn.—Thomas Dewhurst has purchased the Henry Wilson place; he intends to erect a large greenhouse.

*Green Flies and
Black ones too*

are easy to kill with **The Fumigating Kind TOBACCO POWDER** \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STODOLFF CO. MOUNT VERNON, N. Y.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St. New York. N. Y.

**The Best
Bug Killer and
Bloom Saver**

**NICOTICIDE
BUG KILLER**

For PROOF
Write to
P. R. Palethorpe Co.
OWENSBORO, KY.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid thrifty stock, of rich dark color.

3-in. pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100.

5-in. pots, 18 to 24 inches high, splendid plants, 75c. each.

7-in. pots, 36 to 42 inches high, grand specimens, \$2.50 each.

10-in. pots, 30 to 36 inches high, very stocky well balanced plants, \$5.00 each.

Your particular attention is directed to the larger specimens offered. They are excellent value.

For a complete list of seasonable stock offered by us, see our current wholesale list. If you have no copy, send for it.



HENRY A. DREER, Inc.
714 Chestnut St., Philadelphia, Pa.

OUR SENSATIONAL NEW OSTRICH PLUME CELOSIA

"Pride of Castle Gould"

in grand shape at our greenhouses, in 7 and 8 in. pots — 2 to 3 ft. tall. Price \$2.50 and \$3.00 each.

Julius Roehrs Co., Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties** which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

Seed Trade

Ames, Ia.—F. J. Olson expects to erect a new block for his seed business.

Oklahoma City, Oklahoma.—Permit has been issued for the Barteldes Seed Co. to erect a two-story brick warehouse to cost \$2,000.

Sheboygan, Wis.—Plans, necessitated by the steadily growing business of the John H. Allan Seed Co., have been prepared for a building 50 x 130 feet.

Toronto, Ont.—The Steele-Briggs Seed Co. was damaged by fire recently to the extent of about \$5,000 to stock and about \$1,000 to the building.

Consul-General Thomas Sammons, of Yokohama, quotes the following statistics showing the exportation of lily bulbs from Japan to the United States from 1905 to 1909, inclusive:

Year.	Number.	Value.
1905	4,854,215	\$84,056
1906	6,206,456	117,453
1907	6,646,674	141,803
1908	5,165,899	92,169

David Burpee and W. Atlee, Junior, are at the Culver Indiana Military Academy in preparatory school for the seed business and are being visited by their parents this week. We trust the training will be strong enough to enable them to stand and buck the line on the seedsmen's guarantee when it comes their turn.

The building occupied by the Holmes Seed Company, No. 9 North Market Square, Harrisburg, Pa., was partially destroyed on the night of Nov. 21, by a fire which originated in an adjoining building. The damage to the Holmes Company is estimated at \$24,000, fully covered by insurance. Practically all of the damage was by water. Several tons of bulbs were destroyed. The holiday goods were not in. Last week the Holmes Seed Company transferred \$40,000 worth of seeds to their warehouses on Tenth street, where orders are being filled. This transfer was made in order to make room for the holiday goods. The cellar was filled with water to the depth of six feet. Here were stored hundreds of bags of seeds.

PHILADELPHIA NOTES.

The Maurice Fuld lecture on bulb growing at the Michell Seed Store on the 21st, was largely attended and proved a great success from every point of view.

J. Murray Bassett opened a retail flower store in the Ballard Building, Bellevue avenue, Hammonton, on the 19th inst. A full line of cut flowers, plants and sundries are being carried, and the new house starts out with the brightest prospects.

John M. Hughes, late gardener for George W. Childs, at Wooton, is now living in retirement at 758 George street, Norristown. While unable to be on deck as of old on account of physical disability, he is as bright and alert as of old mentally, and keenly appreciates a call from his friends in the trade.

M. Rice had a gala day on Monday, his 25th anniversary. The biggest mail in the history of the house. Letters of congratulation and orders from every state in the Union—and many cablegrams from abroad. Floral offer-

FOR EASTER

SOW NOW

Michell's Flower Market Stock

*The stock every good florist knows
Nothing better for cutting*

	1/2 Trade Pkt.	Trade Pkt.	Oz.
Colors: White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red }	.30	.50	\$3.50
Mixed Colors (every shade known)	.30	.50	\$3.50

HENRY F. MICHELL CO.

Now at 518 Market Street,

PHILADELPHIA

ings from near and far—making the offices bowers of beauty and fragrance. If ever there was an astonished and happy human being on this earth, it was M. Rice last Monday!

The two aristocrats in the carnation world this year are Alma Ward and Mrs. C. W. Ward. These have brought as high as six cents, while the best going for other fine ones like Enchantress and Beacon was two. The Leo Niessen Co. have had almost a monopoly of these fine novelties so far, and could have sold them all many times over if they had been in sight. The demand for young plants for spring delivery is already quite brisk.

William J. Muth has been appointed Philadelphia representative of the King Construction Co., of North Tonawanda, N. Y. Mr. Muth is an experienced florist, both in the growing and merchandising departments, and was until lately manager of the Philadelphia Cut Flower Co. He is well-known and popular in the trade and will prove a valuable acquisition to the equipment of this great concern, which is rapidly growing in local esteem. His offices are in the Wither- spoon Building.

W. P. Edgar of Boston has been with us for a week on behalf of the management of the great National Flower Show under the auspices of the Society of American Florists and kindred bodies, to be held in Boston next spring and has succeeded in stirring up great enthusiasm among local tradesmen. He is highly elated with the encouragement given the project everywhere, and predicts that in a very short time every foot of space will be engaged notwithstanding the immense facilities of the mammoth Mechanics Hall. This is not a money-making enterprise. On the contrary, it is an ambitious attempt on the part of the S. A. F. and its allies to give a really national show on a fitting scale in the spring when good material can be had and with the object of educating the public to the wonderful things the horticultural trade of today has to offer. Boston was selected at the convention in Rochester as the best place to hold this show and the Boston people are rising to the occasion in great shape.

The American Florist says that G. Washington couldn't spell. That was no credit to George. What about the

cherry tree episode? He gets great credit because he didn't tell a lie. Now, what is the difference between bad spell and bad talk—if either be misleading the lie is there, all right. Maybe Father Adam couldn't spell, either. No argument. Meat-Axe!

There have been lots of historic characters who could not even spell their own names. Also there have been many who were unable to tell their own from another's property. And history is full of historic characters who have busted wide open every one of the ten commandments. The lie-ing and stealing commandments are much on a par with the other eight. And a wrong label, if misleading, is a lie, anyway you look at it.

The further plea is put up that we ought to look the other way and say nothing when we go up against one of these lies. Any paper that has any claims to be an educator or leader should be ashamed of the evil odor at its front or back door, and be prompted to do its level best to remove and bury the same at the earliest possible moment. There are no personalities in this. It's the evil we are hitting at. And we are proud to say, we are abating it a little.

The writer is just as liable to make a mistake in spelling as the next one. But, by the Eternal he at least makes an effort to be correct, and will humbly apologize if caught napping—and that is all we ask of anyone else. And the American Florist—with all due respect—has no cause to plume itself on this point, and ought to be the last one to throw bricks.

Says the article in question—of course, bad spelling is very wrong; but we should not talk about it in the papers. That reminds us of the story about "Ikey," who "outside of the ten commandments was a pretty good fellow." And so outside of this back-sliding and misleading labels and spelling the exhibitors and judges and the management are "pretty good fellows" and our dear friends! It's not them but their sins we protest against.

Visitors this week: Johann Dehl, Hamburg, Germany; L. M. Smith, Laurel, Del.; J. Murray Bassett, Hammonton, N. J.; E. J. Gabel, Reading, Pa.; Charles and William Feast, and Miss Tillie Held, Baltimore, Md.; W. P. Edgar, representing the National Flower Show to be held in Boston next spring; E. A. Seidewitz, Baltimore, Md.

FOTTLER, FISKE, RAWSON CO.

BULBS

For Forcing or Planting Outside

A Complete Stock

Write us for prices.

Fottler, Fiske, Rawson Co. Faneuil Hall Square, also Boston, Mass.
26 South Market Street

G. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO**Bulbs Selling
Rapidly**

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next spring, place your order of bulbs with us this fall. **DO IT NOW.** They will be sold out a little later.

James Vick's Sons
Rochester, N. Y.**Burpee's Seeds**
PHILADELPHIABlue List of Wholesale Prices mailed
only to those who plant for profit.**PANSY SEED**Best strain of home grown Pansy
Seed obtainable, a strain that will be
sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

1215 Betz Bldg.,
SKIDELSKY & IRWIN CO., PHILADELPHIA, PA**S. D. WOODRUFF & SONS**
Seed GrowersDealers in Garden, Field and Flower Seeds.
CATALOGUE and SPECIAL QUOTATIONS.

82 and 84 Dey St., NEW YORK

ORANGE, CONN. Warehouse, QUEENS, L. I. Tel. N. Y., 7573 Cortlandt

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.65	Red Bird Millet, \$2.65
	Per Bush.
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are
weighed in.**J. Bolgiano & Son,**
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.
NEW CARLISLE, O.We grow all the standard varieties of
field corn. Write for wholesale prices.**Braslan Seed Growers Co.**

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER
CABBAGE
MANGOLD, SWFDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Established 1820

**Thorburn's
Seeds**CYCLAMEN GIGANTEUM SEED,
Berglinden Strain, new crop.Special offer to florists of this splendid strain
(sold by us for many years).

PURE WHITE	} 50c. per 100 Seeds or \$3.50 per 1000
WHITE AND RED	
DARK RED	
CARDINAL	
WHITE AND ROSE	
LILAC	} 60c. per 100 Seeds or \$4.50 per 1000
ROSE	
MIXED	

AURORA BOREALIS }
SALMON QUEEN }**J. M. THORBURN & CO.**
33 Barclay Street
NEW YORK**FOR THE
NATIONAL FLOWER
SHOW**or any other event where special
grade is wanted**We Have a Line**of about 25 varieties of the best
FORCING HYACINTHS, mammoth
bulbs, specially selected.**New Crop Sweet Peas**All the the new and desirable forcing
varieties, Spencer and Grandi-
flora types.Send for Catalogue. You'll find it
useful.**"BUDS"**CARL R. GLOECKNER, Pres.
76 Barclay St., New York**FRENCH and DUTCH
BULBS**

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.**White French Romans**

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention *Horticulture* when you write**CHOICE SEEDS**

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.**THOMAS J. GREY CO.**
32 South Market Street, Boston, Mass.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Pittsburg, Pa.—The store of Harry Hamm has been removed to Lange avenue.

Philadelphia, Pa.—The store at 1207 Market street, known as the New Century Flower Shop, has discontinued business.

Denver, Colo.—Frank Sauerwald has accepted the position made vacant by the resignation of George H. Cooper in the Park Floral Co.

Salt Lake City, Utah.—Thomas Hobday writes us that he has associated with him in his new flower store at 247 South State street, Mr. George Wray. He is still running his greenhouse as a wholesale department.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Nov. 26

New York, N. Y.-S'hampton...Dec. 3

Atlantic Transport.

Minnehaha, N. Y.-London...Nov. 26

Minnewaska, N. Y.-London...Dec. 3

Cunard.

Carmania, N. Y.-Mediter'n...Nov. 26

Mauretania, N. Y.-Liverpool...Nov. 30

Saxonia, Boston-Liverpool...Dec. 6

French.

Chicago, N. Y.-Havre...Nov. 26

La Bretagne, N. Y.-Havre...Dec. 1

Hamburg American.

Pres. Lincoln, N. Y.-Hamb'g...Dec. 3

Holland-American.

Ryndam, N. Y.-Rotterdam...Nov. 29

Potsdam, N. Y.-Rotterdam...Dec. 6

Leyland.

Winifredian, Boston-Liverp'l...Dec. 7

North German Lloyd.

K'npr'z Will'm, N. Y.-B'm'n...Nov. 29

Cassel, N. Y.-Bremen...Dec. 1

Konig Albert, N. Y.-Medit'n...Dec. 3

Red Star.

Kroonland, N. Y.-Antwerp...Nov. 30

White Star.

Baltic, N. Y.-Liverpool...Nov. 26

Cymric, Boston-Liverpool...Nov. 29

Canopic, Boston-Medit'n...Nov. 30

Oceanic, N. Y.-Southampton...Nov. 30

Celtic, N. Y.-Liverpool...Dec. 3

NEW FLOWER STORES.

Connellsville, Pa.—P. R. De Muth & Sons.

Bethlehem, Pa.—Franz Weiskopf, 73 South Main street.

Hammon, N. J.—J. Murray Bassett, Bellevue avenue.

Lawrence, Mass.—The Flower Shop, 825½ Massachusetts avenue.

Chicago, Ill.—John Welsh, Jr., Evanston avenue and Montrose boulevard.

Dever, Colo.—George H. Cooper, 330 East Colfax avenue. Misses A. & C. Culp, 325 Sixteenth street.

Eugene, Ore.—Union Flower Store, conducted by the Patterson Sisters; F. J. Martin, Charles Kingswell, R. Rea and H. A. Newton.

See advertisement of retail flower business for sale.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service to all parts of the Civilized World. TRANSACTS BUSINESS FOR MEMBERS ONLY.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Plants for Thanksgiving.

For Thanksgiving, there is only a fair supply of late blooming chrysanthemum plants and cyclamens and primulas as just making their appearance quite too early to be at their best. There is a fine supply of Begonia Gloire de Lorraine, however. Crotons, pandanus, Dracaena Massangeana will also help out the plant supply this week. As usual, there is a steady demand for Boston ferns, Whitmani, etc., with scarcely enough to go around.

Opening of Land Show.

The last plant was not removed from the Coliseum when the building was taken possession of by the Land Show exhibition. True to promise, the Land Show of last year was surpassed this year at its opening on November 19. It is more correctly the United States Land and Irrigation Exposition and contains much to interest and instruct anyone, but especially those whose

business is in any way related to soil and climate. Plenty of pointers, too, can be had on arrangement and decoration. From the blue sky effect overhead to the smallest booth in the remotest corner the color scheme has been carried out to enhance the appearance of the exhibits. The booths are enclosed with white lattice work, draped with autumn vines and the products in each booth are arranged artistically. The exposition was formally opened by Secretary of Agriculture Wilson, who heartily commended the enterprise.

Trade and Personal Jottings.

Mangel's windows are attractive with Begonia Gloire de Cincinnati, the pots covered with matting to match.

The Bohanan Floral Co. last week broke the record of sales since opening their store in the University Club building.

Friedman used some of the finest specimen plants from the flower show to decorate at the opening of the Strauss bank last week.

An effort is being made to have the ordinances prohibiting hospitals within 400 feet of schools amended so as to apply also to public parks.

Strail & Hahn have been unusually busy the past month and have a most peculiar order booked for next week, of which details will appear in next issue.

Jens Jenson, Chicago's well-known landscape artist, recently expressed himself at the Chicago Woman's Club as opposed to a building line for residences because some houses require more space in front than others to show off their best points. He advocated the abolishing of the building line in the city.

A very effective decoration for a game supper was enjoyed by the guests at the Union League. One end of the banquet hall was built up to represent a cliff and covered with plants and moss. At the foot was a rocky basin into which a small stream flowed down the cliff. The other sides of the room were decorated with small trees and the forest idea carried out.

PERSONAL.

James McGilligay has resigned his position as gardener for R. R. Bleeker at Pasadena, Cal., and will take a situation as gardener for George W. Marston of San Diego.

Cards have been received announc-

ing the marriage of Edward F. Schmid, son of Edward S. Schmid, both members of the Florists' Club of Washington, on the 16th of November.

At the opening of the Paris Show on Nov. 4, our correspondent, Mr. Harman Payne, had the honor of being formally presented to Mons. Fallieres, President of the French Republic. The presentation was made by Mons. Viger, chairman of the National Horticultural Society of France, who five years ago presented Mr. Payne to President Loubet.

Boston visitors: E. J. Harmon, Portland, Me.; Aug. Gaedeke, Nashua, N. H.; Carl Beers, Bangor, Me.; J. N. Champion, New Haven, Conn.; Judge C. W. Hoitt, Nashua, N. H.; Parker T. Barnes and Mrs. Barnes, Harrisburg, Pa.; Theodore Wirth, Supt. Parks, Minneapolis, Minn., accompanied by E. Dutton, assistant city engineer; Messrs. Cook, Carlson, Upton, Knight and Wardell, County Commissioners for Hennepin County, Minn.; Mr. Waycock, County Surveyor; Alderman Conroy and Vice-President Leahy, of General Construction Co.

Visitors in Cincinnati: Milton Alexander, representing Lion & Co., N. Y.; O. C. Heberling, Georgetown, Ky.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 301 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England postage

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

WARD'S

ROOTED CUTTINGS

Alma Ward, \$7.00 per 100, \$60.00 per 1000.

Mrs. C. W. Ward, \$6.00 per 100, \$50.00 per 1000.

Ready for delivery, December 15th. Satisfaction guaranteed. Good profitable commercial varieties. We are handling flowers every day, commanding highest prices in the market. Let us tell you what we know about them.

Business Hours: 7 A.M. to 8 P.M.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention given to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. :: Price list on application. Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 22	TWIN CITIES Nov. 22	PHILA. Nov. 22	BOSTON Nov. 23
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 35.00	28.00 to 35.00	25.00 to 30.00	30.00 to 40.00
" Extra.....	25.00 to 30.00	20.00 to 25.00	15.00 to 20.00	15.00 to 25.00
" No. 1.....	20.00 to 25.00	10.00 to 20.00	8.00 to 12.50	10.00 to 12.00
" Lower grades.....	5.00 to 10.00	5.00 to 10.00	4.00 to 8.00	4.00 to 6.00
Bride, "Maid, F. & S.....	6.00 to 8.00	4.00 to 6.00	..... to 6.00	4.00 to 8.00
" Lower grades.....	2.00 to 5.00	3.00 to 4.00	..... to 4.00	2.00 to 4.00
Killarney, Richmond, Fan & Sp.....	6.00 to 10.00	6.00 to 8.00	8.00 to 10.00	6.00 to 16.00
" Lower grades.....	3.00 to 5.00	4.00 to 6.00	5.00 to 6.00	2.00 to 4.00
Maryland, Chateauf, Fan and Sp.....	6.00 to 10.00	6.00 to 7.00	6.00 to 10.00	4.00 to 10.00
" Lower grades.....	3.00 to 5.00	4.00 to 6.00	2.00 to 6.00	2.00 to 3.00
CARNATIONS, First Quality...				
Ordinary.....	1.50 to 3.00	2.00 to 3.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	60.00 to 75.00	60.00 to 75.00	60.00 to 75.00	50.00 to 60.00
Lilies, Longiflorum.....	12.00 to 15.00	12.50 to 15.00	8.00 to 12.50	8.00 to 12.00
Lily of the valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00
Violets.....	.75 to 1.50	.75 to 1.00	.25 to 1.25	1.00 to 1.25
Chrysanthemums.....	10.00 to 25.00	15.00 to 25.00	6.00 to 25.00	16.00 to 25.00
Daisies.....	1.00 to 1.50	..... to 1.00	1.00 to 1.50	..... to 1.00
Snapdragon.....	..... to 1.00	..... to 1.00	4.00 to 12.50	10.00 to 12.00
Sweet Peas.....	.75 to 1.00	..... to 1.00	..... to 1.00	.50 to .75
Gardenias.....	25.00 to 50.00	20.00 to 30.00	20.00 to 25.00	20.00 to 30.00
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.25
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100).....	60.00 to 75.00	60.00 to 70.00	..... to 50.00	..... to 50.00
" " & Spren. (100 bchs.).....	35.00 to 50.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

 15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

**Roses and Carnations
A Specialty.....**
**WHOLESALE
GROWER of CUT FLOWERS**

HOERBER BROS.,

 51 Wabash Ave.,
CHICAGO, ILL.

Cut Flowers

 ALWAYS GOOD,
FRESH STOCK

 Long Distance Phone
Randolph 2758

 Telegraph, Telephone or
Bring in Your Orders.

 We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

 10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers


KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands, the Original Genuine Immortelle Letters, etc. Every Letter Marked.

 1164-66 Greene Av., Brooklyn, N.Y.
For Sale by all Supply House

Flower Market Reports.

Trade preceding Thanksgiving Day is not as brisk as in previous years. Shipping trade is really much more active than the local demand. There are evidences of timidity and distrust of the final outcome among the market dealers who, contrary to precedent, were disposed to sell out at very moderate figures two days before the holiday. This may help the trade in the long run. Carnations are selling at an average advance of 25 per cent, according to quality. American Beauty sells well and so does Richmond, the latter having doubled in value within a week. The new favorite Mrs. Aaron Ward brings about any price the grower chooses to ask. Killarney is in good demand at advanced figures, but Maryland seems to fall behind decidedly. Carnot is near its end for the season, but would find a lively market if it could be supplied. Lily of the valley and gardenias are doing finely. Cattleyas are seen only in medium quality at present but they are not abundant and bring good values. Stevia is beginning to come in. As to chrysanthemums they are beginning to show signs of fatigue. The best sellers are Bonnaillon and White Bonnaillon. Violets went up with a jump previous to the football games of last week and thus far have receded but a little, the supply being unusually light for the season. Snapdragon is seen now in excellent quality. Adolph E. E. Koch, of Nobscot, is bringing it to market in handsome spikes.

During the week following the flower show business revived and each day the counters were empty at closing time. Sunday before Thanksgiving was a good day and prices were well above those of a week previous and all stock sold out early. Monday stock was decidedly scarce. Beauties are in very short supply and prices advancing. Chrysanthemums cannot be said to be on the wane, so far as quality goes, for some of the largest blooms seen this season were in the market on Monday. All sizes and qualities are bringing good prices and some of the wholesalers report Thanksgiving outlook as the best they have ever known. Violets are now coming in fine condition and prices are having the same upward tendency. Cattleyas are scarce and cypripediums are just beginning to come in. On the whole, the demand for everything is very good and stock is just scarce enough to make prices look right to the one who has something to sell.

The near approach of CINCINNATI Thanksgiving and a steady demand has had the usual effect of stiffening values. There will be an ample supply of nearly all kinds of flowers with the exception of pink roses, carnations and violets. The zenith of the chrysanthemum season is past as the coming week will see most of them out of the way excepting some of the large later varieties. Mrs. Jerome Jones and Chadwick are now ready and are good

First Quality Boxwood

Just received 500 cases, standard size,
\$7.50 per case. This is an A1 Bargain

Christmas Holly

Guaranteed for Quality as Heretofore

\$5.00 per case. Special quotations on
larger quantity. Mistletoe, Laurel Wreaths,
Holly Wreaths, Bells, Partridge Berries
and Globes. Send for prices on any Sup-
plies or Holiday Specialties.

N. F. McCARTHY & CO.

Wholesale Florists TEL. MAIN 5973 84 Hawley St., Boston
and 5974.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Nov. 22		DETROIT Nov. 21		BUFFALO Nov. 23		PITTSBURG Nov. 23	
ROSES								
Am. Beauty, Fan, and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 50.00
" Extra	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	20.00	to 30.00
" No. 1	10.00	to 12.00	8.00	to 15.00	10.00	to 15.00	15.00	to 18.00
" Lower grades	6.00	to 8.00	4.00	to 7.00	8.00	to 10.00	6.00	to 10.00
Bride, 'Maid, F. & S.	6.00	to 8.00	7.00	to 10.00	7.00	to 8.00	6.00	to 8.00
" Low. gr.	3.00	to 4.00	3.00	to 6.00	3.00	to 6.00	6.00	to 4.00
Killarney, Richmond, Fan. & Sp.	3.00	to 6.00	7.00	to 10.00	6.00	to 8.00	8.00	to 10.00
" Lower grades .....	.....	to 2.00	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00
Maryland, Chatenay, Fan. and Sp.	6.00	to 8.00	7.00	to 10.00	6.00	to 8.00	.....	to 8.00
" Lower grades	3.00	to 4.00	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00
CARNATIONS, First Quality .....	.....	to 4.00	2.50	to 3.00	.....	to 3.00	4.00	to 5.00
" Ordinary .....	.....	to 3.00	1.50	to 2.00	.....	to 2.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas .....	.....	to 50.00	.....	to 50.00	50.00	to 75.00	75.00	to 90.00
Lilies, Longiflorum	10.00	to 12.50	12.50	to 15.00	10.00	to 12.50	10.00	to 18.00
Lily of the valley .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets .....	.....	to .50	.....	to .....	.60	to .75	.....	to 1.50
Snapdragon	2.00	to 8.00	.....	to	3.00	to 5.00	.....	to
Chrysanthemums	4.00	to 15.00	12.00	to 25.00	.....	to 20.00	10.00	to 30.00
Gardenias .....	.....	to .....	.....	to	25.00	to 35.00	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	.75	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	12.50	to 15.00	12.00	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100) ..	35.00	to 50.00	20.00	to 30.00	40.00	to 60.00	30.00	to 50.00
" " & Spre. (100 bchs.) ..	25.00	to 35.00	20.00	to 30.00	35.00	to 50.00	30.00	to 50.00

property. Major Bonnaillon continues the leading variety in yellow and Dr. Enguehard in pink. Pompon varieties are done for this season. Beauties are none too plentiful, but there are enough for ordinary requirements. There is a noticeable shortage of all pink teas, while Bride, Ivory and White Killarney are more plentiful and clean up nicely. Carnations with a good many of the growers are off crop and prices very firm. Receipts of violets are very light, especially singles, and the demand increasing daily. Sweet peas are improving, but are not abundant as yet. Longiflorum lilies are again in better request as are also callas.

A healthier tone is prevailing in the flower market. In every store there is more activity shown and the consensus of opinion seems to be that this will be one of the best seasons for some years past. Flowers of excellent quality are shown

in all the stores, but the chrysanthemum still holds the day, though, in point of popularity. This will be the case till after the Thanksgiving season is over, anyway. A few narcissus are being shown, but the price keeps up owing to scarcity. A few white lilacs are shown by some of the large growers, but their price is almost prohibitive. Violets are coming in in quantity, and of fine stem.

Detroit, Mich.—Demand for all kinds of cut flowers is very good. The football game at Ann Arbor last week brought out an enormous demand for yellow chrysanthemums. Notwithstanding the large consignments of these flowers arriving in this city, by evening everything from a 25c. to \$1.00 was cleaned up.

(Continued on page 751)

PLANTSMEN PLEASE NOTE.

Detroit deplores the lack of good cyclamens in that city.

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

37 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

Edward C. Horan**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.

**Greater New York
Florists' Association, Inc.**

Now Open for Cut Flower Consignments.

162 Livingston Street, BROOKLYN, N. Y.

Geo W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 758
Madison Square New York**B. S. SLINN, JR.****Wholesale Florist**

55 & 57 W. 26th St., New York

Tel 3864 Madison Sq.

AUGUST MILLANG**WHOLESALE FLORIST**

41 West Twenty-Eighth Street

NEW YORK

Phones 3860-3816 Madison Square

WM. P. FORD**Wholesale Florist**

45 W. 28 Street, NEW YORK

Call and Inspect the Best Establishment
in the Wholesale Flower District**WILLIAM F. KASTING CO.****WHOLESALE FLORISTS**

383-387 Ellicott Street

BUFFALO - N. Y.**P. J. SMITH**

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes.
by the 100, 1000 or 10,000SELLING AGENT FOR
LARGEST GROWERS

The HOME OF THE LILY

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone-3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**THE HIGHEST
GRADE OF **VALLEY** ALWAYS
ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERSWhere best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.**J. K. Allen, 106 W. 28th st., New York** Phone 167-4460
Madison Sq.**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Nov. 19 1910		First Half of Week beginning Nov. 21 1910	
American Beauty, Fancy and Special.....	20.00	to 30.00	20.00	to 35.00
" " Extra.....	10.00	to 12.00	12.00	to 15.00
" " No. 1.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 5.00
Bride, "Field, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	.50	to 1.00	2.00	to 4.00
Killarney, Richmond, Fancy and Special.....	3.00	to 5.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	2.00	to 4.00
My Maryland, Chatenay, Fancy and Special.....	3.00	to 6.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	2.00	to 4.00
Carnations, First Quality.....	1.50	to 2.00	2.00	to 4.00
" " Ordinary.....	.75	to 1.00	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.**WHOLESALE FLORISTS**

34 West 28th Street, New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK**Wholesale Florists**

131 West 28th St., New York

Telephones : 798 and 799 Madison Square
Consignments SolicitedCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist**

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

Phone 2336-3357 Mad. Sq.

Greenhouses: Forest Hill, N. J.

KESSLER BROS.**WHOLESALE PLANTSMEN AND FLORISTS**

136-138 West 28th Street, NEW YORK

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**A. L. YOUNG & CO.****WHOLESALE FLORISTS****Choice Cut Flowers**

CONSIGNMENTS SOLICITED

54 West 28th St., NEW YORK

Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.**Wholesale Florists**

A. MOLTZ MAURICE L. GLASS

Coogan Building, 55-57 West 26th Street

NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 74.)

NEW YORK The flower business feels the effect of the Thanksgiving holiday and the market is buoyant and active. Chrysanthemums go at a lively clip and after this week will count for but little in quantity or effect on flower market values. Colored flowers have the call, red roses and carnations leading at stiff prices as compared with those of a week ago. Violets, also, are doing well but quantity is less than usual at this date. Orchids decidedly scarce and prices well up. Narcissi and Roman hyacinths, stevia and other December specialties are already in evidence. Good trade is generally expected for the coming week.

The fall season **PHILADELPHIA** may now be considered as having reached its full development and can intelligently be compared with previous years. While there have been many disappointments and smashing of many fond hopes, the general consensus of opinion seems to be that the fall of 1910, will average as good as any in recent seasons. At one time it was considered that the chrysanthemum crop would average away below last year's general returns but a change for the better took place in the latter part of the season and it is now apparent that the average will wind up fully equal to last year's record. This is gratifying and should encourage the growers and others to proceed along the same conservative lines as experience has proved to be profitable. Consultation with the commission men as to what crops to grow and how much of each for the coming season should always precede planting. Frequent visits should be made to the metropolitan markets and close touch kept on popular demand and tendencies. And while doing this the grower should be frequently in town to see in what condition his stuff arrives and compare the quality of his various grades with the same grades of other shippers. This program on the part of the growers would be educative and prevent many heartburnings when the returns come home. Prices hardened last week—especially in carnations and violets. In the latter values almost doubled. Roses and chrysanthemums kept firm and sold out clean. Orchids still scarce. At this writing (Monday) it looks as if all flowers will bring good prices Thanksgiving week.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 19 1910		First Half of Week beginning Nov. 21 1910	
Cattleyas.....	40.00	to 60.00	50.00	to 75.00
Lilies, Longiflorum.....	4.00	to 6.00	6.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	2.00	to 3.00
Violets.....	1.00	to 1.50	.75	to 1.00
Snapdragon.....	2.00	to 5.00	3.00	to 6.00
Chrysanthemums.....	4.00	to 25.00	4.00	to 25.00
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 10.00
Asparagus Plumosus, strings.....	15.00	to 35.00	.....	to 25.00
" " & Spreng. (100 bchs).....	10.00	to 25.00	15.00	to 20.00

OBITUARY.

Anthony Riley.

Anthony Riley, familiarly known to a generation of frequenters of Horticultural Hall, Boston, as "Andy," died on Friday, Nov. 11, aged 76 years. From about 1874 until three or four years ago "Andy" was employed as fireman and general utility attendant



ANTHONY RILEY

about Horticultural Hall. He was born in slavery on the estate of Gen. Robert E. Lee in Virginia. One dark night in 1862, when in camp with Lee as a servant, he confiscated one of the general's best horses and struck out for the Union army, which he reached in safety and afterwards came North. "Andy" was a typical Southern darkey, full of fun, civil and obliging and always ready to render a service to ex-

hibitors and visitors, with all of whom he was a great favorite.

Rudolph Jans.

Rudolph Jans, known as the proprietor of the Butler Floral Co., died at his home, 4659 Sheridan Road, Chicago, on November 18th. He retired from the flower business several months ago on account of ill health. He leaves a wife, who was associated with him in the business.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Recusites

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprenger, 3 in., 4c.; 4 in.,
8c. Strong, bushy stock. Luther May-
nard, R. 13, Knoxville, Tenn.
Asparagus Sprenger, strong, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

ASTERS

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

AUCTION SALES

Fruit Auction Co., New York, N. Y.
Auction of Hardy Roses, Rhododendrons
and Other Ornamentals.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Regonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

BERRIED PLANTS

Black and red berry bushes, 10c. ea.; \$6.00
per 100. Cash please. Anton Cioban, Vir-
den, Ill.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.

BOILERS—Continued

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BOXWOOD SPRAYS

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

BOXWOOD SPRAYS—Packed only in 50
pound crates. Can furnish either long or
short branches of the hedge or tree varie-
ties. Jones, The Holly Wreath Man, Mil-
ton, Delaware.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand
For page see List of Advertisers.

"Buds", New York, N. Y.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
White French Romans.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.

For page see List of Advertisers.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.

For page see List of Advertisers.
Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CACTI

CACTI—Over 100 varieties of cacti, from
\$7 per 100 up. Write for 28-page catalogue
and ask for prices to the trade. Also
Mexican Resurrection plants. The Francis
E. Lester Company, Dept. 10, Mesilla
Park, N. M.

CANNAS

BEST CANNAS IN THE WORLD.
Send for our new list of latest and best
55 kinds. Stock excellent, prices right.
Conard & Jones Co., West Grove, Pa.
CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."
For page see List of Advertisers.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
Chrysanthemum Novelties.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
Hardy Pompon Chrysanthemums.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.
For page see List of Advertisers.
J. F. Erickson, Swampscott, Mass.
Stock Plants.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Stock plants of Golden Glow, Monrovia,
Early Snow, Halliday, Money-maker
and others for sale or will exchange for Prim-
ula, Cineraria, Cyclamen, Poinsettia, Stocks
or Snapdragons. Stephen B. Hoyt, New
Canaan, Conn.

CHRYSANTHEMUM STOCK PLANTS,
all ready now. OCTOBER FROST, GOLD-
EN GLOW, ROSIERE, MONROVIA, \$3.00
per 100; \$20.00 per 1000 assorted. POEHL-
MANN, GOLDEN EAGLE, CHADWICK
and YANOMA \$4.00 per 100; \$30.00 per 1000.
PRES. TAFT, white, MRS. W. E. KEL-
LEY, yellow, both novelties last year, \$5.00
per 100. I. M. RAYNER, Greenport, N. Y.

CINERARIAS

Cinerarias, large flowering dwarf, the
finest shades, 3 inch, \$3.50 per 100; 2 inch,
\$2.00 per 100. Cash. J. W. Miller, Shire-
manstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

For List of Advertisers See Page 757

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COCOS WEDDELIANA

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whitton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest year's seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ, Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leathy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

FERNS

A. Leathy Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

FERNS—Continued

Frank Oechallin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

R. G. Hanford, Norwalk, Conn.

Holly Ferns and Jardinere Ferns.

For page see List of Advertisers.

H. LePage, Stamford, Conn.

Table Ferns.

For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitmanii, 2¼-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2¼-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

Frame grown Boston Ferns ready for delivery. Good 5 in., 15c. ea.; \$10.00 per 100. Anton Cioban, Virden, Ill.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 65 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2 in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornela, Oberle, Wyzewa, \$2.00 per 100, \$18.50 per 1000. Dagata, Blauquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3.00 per 100, \$25.00 per 1000. Pelargonium, Mad. Loyal, \$5.00 per 100. Cash with order. Write for Geranium catalogue. A. D. Root, Wooster, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

SURPLUS STOCK of choice named gladioli. Bulbs and bulbets of magnificent novelties and standard sorts. Also choice hybrid seed. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. Auburndale Goldfish Co., 920 Randolph St., Chicago, Ill.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertiser
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.
- S. Jacobs & Sons, 1859-63 Flushing Ave.,
Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda,
N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.
- Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GREENHOUSE PROPERTY TO LEASE

- Sidis Institute, Portsmouth, N. H.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gutter
attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.
- King Construction Co., North Tonawanda,
N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.
- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.
- Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

- Heliotrope; rooted cuttings, dark colors,
\$1.25 per 100; \$10.00 per 1000. Cash. Stephen B. Hoyt, New Canaan, Conn.
- Heliotrope, rooted cuttings, 100 prepaid
75c. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PERENNIALS

- F. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOLLY

- N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

HOLLY—Extra selected stock cut to order. Place your orders early. Jones, The Holly Wreath Man, Milton, Delaware.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

- 10,000 Hydrangea Otaksa, pot grown, 4 in. \$8.00 per 100; 3 in. \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

IMPATIENS

- Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

- Nicotide kills all greenhouse pests. P. B. Palethrope Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kilndead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-lue Products.
For page see List of Advertisers.
- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.

INVESTMENT OFFER

- Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

- Boblink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts
C. Betscher, Canal Dover, O.

IVIES

- Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

- Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass. Dept. 8.
For page see List of Advertisers

LEMON VERBENA

- Lemon Verbena, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

- J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on Hudson,
N. Y.
For page see List of Advertisers.
- J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

- McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

LILY OF THE VALLEY

- Arthur T. Boddington, New York, N. Y.
Cold Storage.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
For page see List of Advertisers.
- The F. E. Conine Nursery Co.,
Stratford, Conn.
Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.
- Bay State Nurseries, North Abington,
Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.
- Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.
- The Whiting Nursery Co., Yankton, S. D.
Cottonwood, Willows.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- John DeBuck, New York, N. Y.
For page see List of Advertisers.
- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

For List of Advertisers See Page 757

ORCHID PLANTS — Continued

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PANSY PLANTS

Pansy Plants, none better at any cost, \$2.50 per 1000; \$10.00 for 5000. J. C. Schmidt, Bristol, Pa.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ in., \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's) mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmeiske, 72 Court St., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago
For page see List of Advertisers.
Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.
Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 in., \$4.00 per 100; 4 in., \$7.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primulas Chinese, fine plants, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

R. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

SALVIA

Salvias, 2 in., \$1.75 per 100. Sunnyside Greenhouses, Barborton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Giganteum Seed.

For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.

For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Boigiano & Son, Baltimore, Md.

For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snapdragon, rooted cuttings, white, light pink, rose pink, \$2.00 per 100; \$18.00 per 1000. Adolph E. Koch, Nobscoot, Mass.,

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum Moss per bale 75 cents, 10 bales \$6.50. Cash with order. Chas. F. Uecke, New London, Wis.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

For page see List of Advertisers.

The Whiting Nursery Co., Yankton, S. D.
Asparagus and Rhubarb.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS**VIOLET BLOOMS.**

Marie Louise violet blooms, good stem and color, \$1.00 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Helton & Hunkel Co., Milwaukee, Wis.

William B. Hellscher's Wire Works, 28-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 1th St., Scranton, Pa.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 816
Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 88 and 40
Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

M. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.
Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.

Greater New York Florists' Association
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Silan, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.

Frank Millang, New York, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York,
For page see List of Advertisers.

A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.**COLD STORAGE LILY.**

Ralph M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

ETRUSCAN ART PLANT BASKETS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

GERANIUMS.

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

J. M. Thorburn Co., New York, N. Y.
For page see List of Advertisers.

**NEW IRISH FORCING ROSE,
"MELODY."**

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

POTASH.

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

CATALOGUES RECEIVED.

Sutton & Sons, Reading, England.—
"Sutton's Bulbs for 1910."—This cata-
logue may properly be classed as an
Art Publication, so fine are the half
tone engravings. The cover in green
duotone green is a gem, artistically.

Sluis & Groot, Enkhuizen, Holland.
—Advance Price List of Vegetable,
Flower and Agricultural Seeds. This
is a very complete wholesale list, giv-
ing prices from oz. up to cwt., and is
dated October 17, 1910, hence is very
valuable to those who are interested in
latest quotations.

Vilmorin-Andrieux & Co., Paris,
France—Catalogues and Illustrated
Price Lists of Seeds of Greenhouse
Plants, Trees and Shrubs, Dahlias and
Cannas and Flowering Bulbs, respec-
tively. Also General Seed Catalogue
for 1910, with beautiful illustration of
Hybrid Gerberas in colors on title
page.

Kelway & Son, Langport, Somerset,
Eng.—Kelway's Manual, 1910-1911.
This superb publication is like its
predecessors a model in completeness,
artistic beauty, typographical excel-
lence and instructiveness. It contains
346 pages, bound in white with gold
lettering. There are ten full page col-
ored plates of great beauty and hun-
dreds of expressive half tone illu-
strations. The claim of Messrs. Kelway
that this "manual stands at the head
of books of its kind" will not be ques-
tioned by anyone who possesses a
copy.

**AN ENGLISH LIST OF SWEET
PEAS.**

The rapidly increasing number of
varieties of sweet peas in commerce is
apt to cause endless confusion. The
National Sweet Pea Society has ren-
dered a useful service in compiling a
classified list, which will serve as a
guide to purchasers. The list is as
follows: Bicolor—Arthur Unwin, Mrs.
Andrew Ireland and Colleen; blue—
Flora Norton Spencer, Mrs. G. Charles
and Lord Nelson; blush—Mrs. Hard-
castle Sykes and Princess Victoria;
cerise—Cherry Ripe, Chrissie Unwin
and Coccinea; cream, buff and ivory—
Clara Curtis, Paradise Ivory and James
Grieve; cream pink—Mrs. Hugh Dick-
son, Gladys Burt and Constance Oliver;
crimson—King Edward Spencer and
King Edward VII.; fancy—Sybil Eck-
ford; lavender—Masterpiece, Asta Ohn,
Frank Dolby and Lady Grizel Hamil-
ton; lilac shades—Mrs. R. H. Carrad;
magenta—Menie Christie; marbled—
Helen Pierce; maroon—Nubian, Othel-
lo Spencer, Tom Bolton and Hannah
Dale; mauve—Tennant Spencer, Hello-
Paradise and Mrs. Walter Wright;
orange pink—Helen Lewis and Miss
Willmott; orange scarlet—Dazzler,
Edna Unwin and St. George; picotee
edged (cream ground)—Mrs. C. W.
Breadmore and Evelyn Hemus; picotee
edged (white ground)—Elsie Herbert,
Mrs. Townsend and Dainty; pink and
salmon pink—Countess Spencer, Zar-
ina and Prima Donna; rose and car-
mine—John Ingman, Marie Corelli and
Prince of Wales; salmon shades—
Earl Spencer, Nancy Perkin and Henry
Eckford; scarlet—Doris Burt, George
Stark and Queen Alexandra; striped
and flaked (purple and blue)—Suffra-
gette and Prince Olaf; striped and
flaked (red and rose)—America Spen-
cer, Aurora Spencer and Jessie Cuth-
bertson; white—Etta Dyke, Nora Un-
win and Dorothy Eckford.

W. H. ADSETT.

NEWS NOTES.

Brattleboro, Vt.—Jacob Reed, form-
erly superintendent of the Bradley
greenhouses, has resigned and gone
to Springfield, Mass.

Denver, Colo.—The stock and good
will of F. X. Goeschl at 139 Broadway
has been purchased by C. L. Gross.
Mr. Gross has taken a larger store at
131 Broadway, where he does business
under the name of the Gross Floral
Co.

Ames, Ia.—F. J. Olsan has pur-
chased the property at the corner of
Main and Burnett streets and in the
spring expects to move the house
and erect a block to accommodate
his rapidly growing flower, plant, bulb
and seed business.

VEGETABLE PLANTS

	Per 100	Per 1000
CABBAGE —Wakefield and Succession.	20c.	\$1.00
LETTUCE —Grand Rapids, Big Boston, Boston Market and Tennis Ball.	2cc.	1.00
PARSLEY —	30c.	1.95
R. VINCENT, JR., & SONS CO. White Marsh, Md.		

List of Advertisers

Page	Page	Page	Page
Advance, The Co. 759	Hillfänger Bros. 758	Scott, John. 726	Totty, Chas. H. 739
Allen, J. K. 750	Hill, The E. G. Co. 727	Sharp, Partridge Co. 758	Thurlow's, T. C. Sons, Inc. 728
American Nursery 743	Hitchings & Co. 760	Sheridan, W. F. 750	Traenkle & Schenck 750
Applene Mfg. Co. 741	Hoerber Bros. 748	Siggers & Siggers 759	Trepel, C. C. 727
Aschmann, G. 726	Hollywood Gardens 747	Skidelsky & Irwin 745	Valentine, J. A. 746
Badgley, Reidel & Meyer 750	Home Corresp. School 757	Slinn, B. S., Jr. 750	Vicks, Jas. Sons 745
Banner, J. L. 751	Horan, E. C. 750	Smith, E. D. & Co. 727	Vincent, R., Jr. & Sons 727-756
Barnard, W. W. Co. 745	Hunt, E. H. 742	Smith, P. J. 750	Wadsworth, B. E. 726
Barrows & Son 726	Intern't'l Floral Association 746	Smith, W. & T. Co. 728	Wants, For Sale 757
Bayersdorfer, H. & Co. 747	Jacobs, S. & Sons 759	Smyth, Wm. J. 746	Ward, R. M. & Co. 741
Bay State Nursery 728	Kasting, W. F. Co. 750	Standard Plate Glass Co. 758	Waterer, John & Sons 743
Beaven, E. A. 751	Kervan Co. 751	Stearns, A. T. Lumber Co. 759	Welch Bros. 748
Bloomington 727	Kessler Bros. 750	Stoothoff, H. A. Co. 742	Wilson 746
Bobbink & Atkins 728	King Cons. Co. 759	Stump & Walter Co. 742	Wood Bros. 727
Boddington, A. T. 738	Krick, W. C. 748	Syracuse Pottery Co. 758	Woodruff, S. D. 745
Bolgiano, J. & Son 745	Kroeschell Bros. Co. 759	Tailby 747	Yokohama Nursery 728
Boston Florist Letter Co. 751	Kuebler, W. H. 751	Thorburn, J. M. & Co. 741-745	Young, A. L. 750
Boston Plate & Window Glass Co. 758	Lager & Hurrell 726		Young & Nugent 746
Braslan Seed Co. 745	Langjahr, A. H. 750		Zinn, J. A. 747
Breck, J. & Son 745	Lawrence, H. V. 746		
Breitmeier's, J. Sons 746	Leonard Seed Co. 745		
Bridgeman's Seed Warehouse 745	LePage, H. 727		
Budlong, J. A. 748	Leuthy, A. & Co. 726		
"Buds" 745	Long, W. H. 746		
Buffalo Land Security Co. 757	Lord & Burham Co. 760		
Burpee, W. A. & Co. 745	MacMulkin, E. 746		
Buxton, Doane Co. 759	Matthews 746		
Carrillo & Baldwin 726	McCarthy, N. F. & Co. 749-751		
Chicago Carnation Co. 727	McConnell, Alex. 746		
Childs, John Lewis 740	McCray Refrigerator Co. 747		
Clarke's, D. Sons 746	McCullough's, J. M. Sons Co. 748		
Conine, F. E. 728	McHutchison & Co. 740		
Cowee, W. J. 748	McKellar, C. W. 748		
Craig, Robt. Co. 728	McManus, Jas. 750		
Crawback, G. W. 750	Miami Valley Seed Co. 745		
Dards 746	Michell, H. F. Co. 744		
Dawson, H. S. 728	Michigan Cut Flower Ex. 751		
DeBuck, John 726	Millang, A. 750		
Dungee & Conard Co. 728	Millang, Chas. 750		
Dodd, Chas. H. 759	Millang, F. 750		
Dorner & Sons Co. 727	Moltz, A. & Co. 750		
Dreer, H. A. 743-758-759	Moninger, J. C. Co. 759		
Dysart, R. J. 757	Moore, Hentz & Nash 750		
Dunlop, John H. 746	Morse, C. C. & Co. 745		
Eastern Nurseries 728	Murray, Samuel 746		
Edwards Folding Box Co. 748	N. E. Nurseries 728		
Ellwanger & Barry 741	Niessen, Leo Co. 748		
Elliot's, W. Sons 757	Oechslein, Frank 727		
Esler, J. G. 759	Ordenez Bros. 726		
Erickson, J. F. 727	Orwenger, P. 728		
Ernest, W. H. 758	Palethorpe, P. B. Co. 742		
Eyres 746	Palmer, W. J. & Son 746		
Farquhar, R. & J. & Co. 728	Park Floral Co. 746		
Foley Mfg. Co. 759	Parshelsky Bros. 758		
Ford, M. C. 750	Peacock Dahlia Farms 741		
Ford, W. P. 750	Pennock-Meehan Co. 737		
Fottler, Fiske, Rawson Co. 745	Perkins St. Nursery 726		
Froment, H. E. 750	Peters & Reed Co. 758		
Galvin, Thos. F. 747	Piereson, F. R. Co. 740		
German Kali Works 742	Piereson, A. N. 727		
Glockner, Carl R. 745	Piereson U-Bar Co. 760		
Greater N. Y. Florists' Asso. 750	Plant Food Co. 24th Century 741		
Grey, T. J. Co. 745	Poehlmann Bros. 748		
Gude Bros. Co. 746	Pratt, B. G. 742		
Hall Association 759	Reed & Keller 751		
Hanford, R. G. 727	Reinberg, Peter 748		
Hart, Geo. B. 748	Rice Bros. 748		
Hartmann, Halmar 745	Rice, M. & Co. 726		
Herbert 728	Rickards Bros. 745		
Hews, A. H. & Co. 758	Robinson & Co. 748		
	Rock, Wm. L. 746		
	Roehrs, Julius Co. 726-727-743		
	Roland, Thos. 727		
	Rolker, A. & Sons 758		
	Sander & Son 726		
	Schultz, Jacob 746		

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

FOR SALE

FINE FLOWER STORE AND PROFITABLE BUSINESS, established quarter century, in large city in Maine. First class equipment throughout. Extensive local and shipping trade.

For particulars address

AFFLUENCE, care HORTICULTURE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose, Ave., Brooklyn, N. Y.

HELP WANTED

WANTED.

Orchid Grower—Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address Louis Burk, Girard Ave. and Third St., Philadelphia, Pa.

WANTED—Good night man to fire two boilers, place of 12,000 sq. ft glass; pack, grade and make himself in all ways useful at night. A good chance for a willing and capable man. Wages \$50 to begin; heat, light, room; advanced as proves capable. Address W., care HORTICULTURE.

SITUATIONS WANTED

By German, 30, married, as foreman or assistant, 15 years experience in roses, carnations, violets, ferns, general stock, shrubs, perennials. Design work a specialty. Honest, sober, steady worker. State wages and full particulars in first letter. Best reference. Address A. W., care HORTICULTURE.

GARDENER—Well recommended, good experience out doors and under glass, flowers, fruit, vegetables. Address B, care HORTICULTURE.

COMPETENT GARDENER seeks position in charge of private estate. German, wife and one daughter. Capable of taking charge indoors and out. Industrious, sober, well recommended. Address, F. B., care HORTICULTURE, Boston.

MISCELLANEOUS

WANTED—A few hundred Burbank Roses, two-year plants. William Plumb, South Natick, Mass.

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.

42 Vesey St., New York.

SAVINGS INVESTED IN REALTY

It pays better than a bank account. Well selected realty investments make enormous returns. It is the safest and most productive form of investment.

On Dec. 1st to introduce ourselves, we will offer 1000 building lots. This property is situated only thirty minutes ride by trolley car from the business center of the City. We predict that these lots will increase 500 per cent. within three years. Buffalo has practically no vacant houses and a population of 450,000. Extension is the order of the day and with extension, values will increase wonderfully. The starting price will be \$75.00 and upward, depending on location. Payments \$25.00 cash, per lot, balance in thirty-six equal installments. The majority of lots face on street car line. The most outlying within five minutes walk. The property is already improved, cement walks, sewerage, water works, gas main and electric light service. Price of lots will advance Jan. 1st. Get in now and reap the benefits. By depositing \$10.00 per lot, before Dec. 1st, we allow a credit of 10 per cent. on your purchase. Satisfaction is guaranteed or your money refunded. Title to each lot purchased will be conveyed to Trust Company to be delivered when payments are completed. If you die before your complete payments, a clear title is made to your heirs, at no further cost. This is better than Life Insurance.

We want agents in your locality. Send us the names and addresses of neighbors who you think may be interested. Do it now.

Enormous profits are being made by others. Join before it is too late. This is one of the best Realty investments ever offered. Write for further particulars.

BUFFALO LAND SECURITY CO.

395 Ellicott Sq. Bldg., Buffalo, N. Y.

In ordering goods please add "I saw it in HORTICULTURE."

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

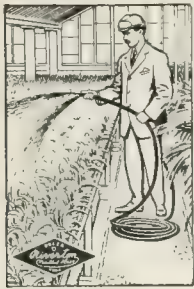
SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.



DREER'S

Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

NEWS NOTES.

Naugatuck, Conn.—Howard L. Hamilton of Rockville has purchased the greenhouse of H. G. Dennison.

Toledo, Ohio.—The greenhouses of J. H. Siegrist, Monroe & 20th streets, have been sold to Timm & Wirz.

Dallas, Ore.—C. H. Webster, formerly of Centralia, Ill., has purchased a tract of ground here and is establishing a nursery.

Baynes Lake, B. C.—The management of the Kootonia Nursery and Greenhouse Co. has been assumed by C. W. Williamson.

North Abington, Mass.—Littlefield & Wyman have purchased the greenhouses of E. T. Denham, Rockland, Mass., for removal.

Fall River, Mass.—The firm of Meads & Durfee is succeeded by J. M. Meads; a general line of cut flowers, etc., is grown.

Alvin, Tex.—Work on the warehouse and show room to be erected by the Alvin Japanese Co. will commence in the next few days.

Rockford, Ill.—The greenhouses at 110 Corbin street have been leased by M. H. Smith, who was formerly manager for C. H. Woolsey at the same address.

Benton Harbor, Mich.—The new brick building on Territorial street intended for an office and stock room for Cutler & Downing, nurserymen, is about ready for occupancy.

Thompsonville, Conn.—The Brainard Floral & Nursery Co. announce a change in the location of their office and salesroom from Garden street to their new plant on Maple street. The new location affords not only greatly

improved greenhouse facilities, but also a large increase in the acreage available for growing purposes.

Detroit, Mich.—Mr. Unger, in charge of the horticultural department of the city parks, may be justly proud of his success with chrysanthemums. At present over 3,000 plants are staged under the large cupola, and notwithstanding the inclement weather it was with difficulty that all visitors were accommodated. Mr. Unger certainly understands the fundamental principles of a public park and does a good deal to educate the public horticulturally.

GREENHOUSES BUILDING OR CONTEMPLATED.

Toronto, Ont.—Archias Floral Co., addition.

Milford, Conn.—Thomas Dewhurst, one house.

South Elmhurst, Ill.—G. Swenson, one house.

Horseheads, N. Y.—Earl Schultz, one house.

Dorchester, Mass.—Thomas Meighan, one house.

Napa, Calif.—Huff Mushroom Co., one orchid house.

Mt. Vernon, Ia.—A. T. Cowan, one house in the spring.

Toledo, Ohio.—John Barrow, range of houses next year.

Millbury, Mass.—Archibald G. Dallachie, house 25 x 30 feet.

North Abington, Mass.—Littlefield & Wyman, addition in the spring.

Auburn, N. Y.—Dobbs & Sons, one house. George T. Clark, one house. Alfred Patrick, two houses.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2 1/2 " " " 5.25	120 7 " " " 4.80
1500 3 " " " 6.00	60 8 " " " 3.00
	HAND MADE
1200 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.50	24 11 " " " 3.60
450 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.50	12 14 " " " 4.80
200 5 1/2 " " " 4.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten percent off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY
FOR OUR
Florist' Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

ADVANCE

Machines combine quality,
strength, simplicity, neatness and
all the other elements that are re-
quired to make a ventilating ma-
chine the best on the market.

Our catalog H. illustrating and
describing our apparatus and
greenhouse fittings will be sent
free to any address upon request.

We assure you that your orders
or inquiries will receive our
prompt and careful attention.

Compare our prices, it will
do no harm.

The Advance Co.
RICHMOND, IND.



IRON PIPE

Second Hand

Suitable for all greenhouse pur-
poses, steam, water, gas or oil,
also for fences or posts. All
sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.

CHARLES H. DODD

Greenhouse Builder.

Heating and Ventilating.

Ideal Greenhouse Boilers.

Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

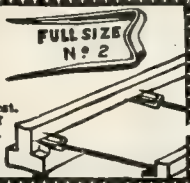
Holds Glass Firmly

See the Point at

PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



ORDER NOW

TELEGRAPH AT OUR EXPENSE

KROESCHELL HOT WATER BOILERS

This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

Send for catalogue

WILL SHIP WHEN WANTED

KROESCHELL BROS. CO.

466 West Erie St., CHICAGO, ILL.

PAY AFTER BOILER REACHES YOU

DON'T

Buy Greenhouse Material

WITHOUT INVESTIGATING THE KING TYPES OF
HOUSES—THEY ARE LIGHT, STRONG AND IN EVERY
WAY DEPENDABLE BECAUSE THEY ARE SCIENTIFIC-
ALLY DESIGNED.

Write for Bulletins

KING CONSTRUCTION COMPANY

North Tonawanda, N. Y.

CYPRESS SASH BARS

32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

8166ERS & 8166ERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.



This T shaped plan of curvilinear palm house and three curved eave wings was recently completed at Oakdale, N.J.



From this side you see the difficulties of such a location and how successfully they were met.

Curved Eave Houses are the Thing These Days

We have the model way of building them to obtain greatest light, the strength needed and the attractiveness you want. Send for information.

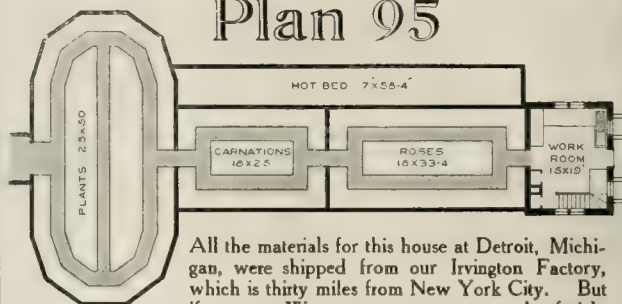
HITCHINGS & COMPANY

1170 BROADWAY

NEW YORK



Plan 95



All the materials for this house at Detroit, Michigan, were shipped from our Irvington Factory, which is thirty miles from New York City. But if you are a Westerner, we can save you that freight now, because our new factory near Chicago will be working merrily along first of the year. If you want immediate attention, just write to Mr. Sykes at The Rookery, Chicago, and you will get quick action.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII. DECEMBER 3, 1910 No. 23



CATTELEYA DUSSELDORFII VAR. UNDINE



DEVOTED TO THE
Florist, Plantsman, Landscape Gardener and Kindred Interests
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.
SUBSCRIPTION, \$1.00



U KNOW US

LET'S KNOW U

SNOWED UNDER

Yes it "Snowed" all last week in Philadelphia, not the COLD WET KIND but a steady storm of good will and congratulations from our HOST OF FRIENDS throughout the country—even Europe did not forget us—on our 25th Anniversary.

Their expression of good will we appreciated more than words can express.

Not being able to write to each personally, we take this means to thank ONE AND ALL for their GOOD WISHES, and trust that our future pleasant business relations will continue to increase with each succeeding year.

With best wishes for a prosperous year, and thanking you again

We remain yours truly.

KATALOG for the asking

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
PHILA., PA.

Manufacturers—Importers—Originators

TO THE CHRYSANTHEMUM GROWER

**A Few Facts May Be Of Interest To Those Who Grow
Chrysanthemums**

We grow only Chrysanthemums and Asters and our success is largely due to the fact that these two interests have our undivided attention.

Twenty-one years next March we sent out our first new Chrysanthemum and each successive year we have had a worthy collection to offer.

We raise more seedlings from carefully hand hybridized seeds each year, than the combined interest of all other raisers in this country and possibly those abroad.

Most of the Commercial growers are aware we have supplied more meritorious novelties than any other introducer and our competitors are obliged to admit it.

We submitted 14 seedlings to the Chrysanthemum Society's Committee and have been awarded 13 First Class Certificates, the largest number of certificates ever given by this Society to one raiser in a single season. What is most remarkable is the high average of the score, a slight fraction less than 89 points.

We have decided to send out 11 or *12 next season, 5 of which belong to the exhibition section and the remainder will be included under commercial heading.

These novelties cover a wide range of colors and are from the very largest to the beautiful light pink Pompon Mint. They also cover a flowering period of six months, July to January.

Our new Peerless Aster (in white and light pink) is just as deserving of your consideration as the Chrysanthemums. They are unequalled by any kind known to the trade.

Our new complete catalogue will be ready in January. Those desiring to place early orders will be furnished, upon request, complete description with prices.

* One late seedling to be submitted Dec. 3.

ELMER D. SMITH & CO., Adrian, Mich.

BOBBINK & ATKINS

...World's Choicest Florist and Nursery Products...

RHODODENDRONS.

In all bright colors; fine forcing varieties; good value. \$9.00, \$12.00, \$15.00, \$18.00
CAMELIAS. Well budded plants, variety of colors. 15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants. 12.00, 18.00, 24.00

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.
 Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded.	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots.	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded.	3.00	15.00
Dorothy Perkins, strong, field grown.	2.00	15.00
Baby Rambler, half standards, 30 in. high.	9.00	
Lady Gay, 2-year-old.		15.00
Baby Rambler, dormant, field grown, selected, budded plants.		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.	10.00	
Malus, Flowering Crab.	15.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in.	4.00	
Aucuba, fine plants, 18-24 in.	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
 Boston, Mass.

TREES and SHRUBS
 For Fall Planting

T. C. Thurlow's Sons, Inc
 West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitae, Colorado Blues, &c. Also in Catalpas, Birches, Planes, Poplars, &c.
 Very large Privet.
 Evergreens are dug with balls.
THE F. E. CONINE NURSERY CO., Stratford, Ct.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

In ordering goods please add I "saw it in HORTICULTURE."

Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 216 Jane St., Weehawken Hgt. P. O. No. 1, Hoboken, N. J.

JAPANESE
 THE YOKOHAMA NURSERY CO.
 31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

Viola cornuta

When passing over the long list of varieties of the genus *viola*, described in leading horticultural encyclopedias, one soon becomes aware that the majority is mainly of interest to the botanist and the collector. Aside of a limited number of species of the odorata class grown for forcing there are few which have held their own as permanent inhabitants of the garden. Leaving out the sweet-scented spring violets, all that remains is the pansy and the horned violets—*Viola cornuta*. The latter a native of southern Europe is of late gaining more and more ground, both in European and American gardens. In foliage and general habit of growth it closely leans toward the pansy, but its flowers, appearing in pale violet blue and in pure white, are of the shape and size of the single violet. They stand out in great profusion, free above the foliage, and, as the flowering period lasts through the whole summer the value of *Viola cornuta* as a bedding plant and for various other ornamental purposes is self-evident. I have been using it as border and for mass effects on single beds by themselves and its sheets of color proved highly effective. English and German gardeners during recent years show a special preference for a true violet colored variety named *Gustave Wermig*. In growth it is more compact and vigorous as the original form and the plants are most of the season literally covered with flowers, resembling in shape and size a large well developed single violet of a clear blue shade.

Of late much has been said in the horticultural press abroad about the new *Viola cornuta* hybrids. If the colored pictures sent out by the introducers are correct, it means that we are gradually going to have similar color combinations in *Viola cornuta* flowers as we are having in pansies. Seed of the new strain, sowed here last year brought forth disappointing results.

It is claimed, however, that the best colored varieties



VIOLA CORNUTA

In a Northeast Harbor Rock Garden.

are rarely coming true from seed, but must be propagated by cuttings, or division. What, according to my observation, hitherto apparently appeals most forcefully in *Viola cornuta* is the close resemblance of its flowers to the violet. If, in the eventful shape and coloring of miniature pansies, this plant species will meet with the same popular favor, remains to be seen. Well grown stock of the original plain colors finds willing purchasers, for every lover of violets has a desire for the summer-flowering *Viola cornuta*. The photograph for our illustration, taken in a Northeast Harbor rock garden last August, is one instance showing its adaptability for various positions. It is this remarkable latitude of usefulness in ornamental garden planting that is placing *Viola cornuta* in rank and file with our best low growing hardy flowering perennials.

Richard Rothe

Northeast Harbor, Maine.

Fruit and Vegetables Under Glass

POT VINES

Pot vines can now be started at once and will furnish fruit for cutting the last week in April. Presuming they are already established in twelve-inch pots, ram each one firm before taking in. To grow these successfully a house should be devoted to them, where the pots can be plunged in leaves, to give the necessary bottom heat.

Later on these leaves serve a double purpose. If the bottom of the pot is partly knocked out the roots will run amongst the decaying leaves, giving more feeding surface and also keep the pot from drying out.

Bend the canes to insure an even break and syringe with warm water twice a day. Maintain a night temperature of 40 to 45 degrees with a rise of 10 degrees with sun heat. Black Hamburg alone should be used for this house.

MELONS

Plants which will be ripening fruit during the early

months of the year are best grown in 14-inch pots, as each plant is then under better control. Sow seeds in small pots and shift on to 4 in., thence to finals. Give one-quarter of the pot to drainage and make the soil quite firm. The collar of plant should be level with the top of pot when finished. Seed sown now should be ripening fruit during March. Hero of Lockinge is the best variety to use for winter work.

RE-POTTING FRUIT TREES

Fruit trees in pots are not as well known as their merits deserve to be. Much more fruit can be produced out of a house by judiciously handling trees in pots than is possible otherwise. An orchard house is a great acquisition to any establishment, not only for its productiveness but also for its beauty. Even where an orchard house is not available pot trees can be grown successfully in newly planted vineries or peach houses or even those in full bearing, provided that they can receive sufficient light.

Not only can peaches and nectarines be utilized for this purpose but also apples, pears, cherries, plums and figs. Fruiting trees can be obtained through any leading seed store, and if this is contemplated orders should be placed at once as all trees should be potted up by the end of this month. Trees which have already done service should now be overhauled. Do any pruning necessary, remove all rims which were used to add top dressings, shake off old manure and gently loosen up the top. Remove any old soil from the ball which can be removed without breaking many roots and repot.

Only give a shift when absolutely necessary as there is nothing gained by getting trees in very large pots or tubs. Use a good fibrous loam which has been stacked for three or four months and add enough lime rubble to keep it open. Ram just as hard as possible, excepting in the case of figs which prefer a lighter hand.

After potting thoroughly water in and plunge pots in leaves and straw litter a foot above the rim of the pot. They can be left outside until severe weather sets in. Fifteen degrees frost will do no damage but after that the tips are liable to be affected. It is safer to house figs at once, as much frost is injurious to their sappy wood. Varieties which have proved themselves well adapted for pot work are:

Peaches—Waterloo, Duke of York, Hale's Early, Peregrine, Thomas Rivers (late).

Apples—Lady Sudeley (small, but very early), Cox's Orange Pippin, Cox's Romona, Gascoyne's scarlet, Peasgood Nonsuch.

Nectarines—Cardinal, Pine Apple, Early Rivers, Lord Napier, Humbolt (late).

Pears—Williams Bon Chrétien, Marguerite Marillat, Marie Louise, Douyenné du Comice, Dr. Jules Guyot.

Plums—Early Transparent, Denniston's Superb, Kirke's, M'Laughlin's, Coe's Golden Drop.

Cherries—May Duke, Governor Wood, Elton, Black Tartarian, Noble.

Figs—Brown Turkey, Negro Largo, White Marseilles, White Ischia, Black Ischia.

BUSH BEANS

This much appreciated vegetable can always be "on hand," by making sowing at intervals of ten days. Sow in double rows, 18 inches apart. Give night temperature of 55 degrees. Syringe every day to keep down insect pests. Black Valentine is far ahead of any other bean for forcing, followed by Ne Plus Ultra, Triumph of Frames, etc.

LETTUCE

The supply which has hitherto been coming from cold frames has now become scarce and encouragement should be given to later sown stock coming along in vegetable house. Keep the surface soil lightly cultivated and any half developed heads will be greatly benefited by a weak feeding once a week.

SPINACH

This highly nutritious vegetable does not suit every one's palate, but where there is a demand, make a sowing every week. Sow in drills 1 foot apart; give a temperature of 50 to 55 degrees. Round Viroflay or Victoria will force well.

George H. Hanson

The Wizard of the North

Few people know what that quiet man—Prof. W. E. Hansen is doing now. Three times he braved danger

and death up in the Arctic Circle to find the northern belt of alfalfa. He wanted to find hay and forage for the great North West. He passed the region where the red gave place to the yellow, and on and up where the yellow grew in its wildness giving both winter and summer feed to the hardy horses and other animals of the far North. He showed me 20 kinds of clovers he kinds of clovers he had brought home. But his great work is with the yellow-flowered alfalfa.

The Prof. thinks, and truly, that we must have a hardy strain to begin with. Now he is confronted with this problem—how to secure the most prolific strains of his new introductions. One trouble with the yellow-flowered is that it is too sprawly in its habit. This does not hurt it for grazing but for hay it is necessary to secure a plant with an upright stem. He is at work on this now. Out of an immense number of seedlings, he selects the best and develops these. He will keep at it till he secures the upright form with bountiful foliage—a good hay producer. He will make it win and it means millions on millions for the great bleak North West. He selected some specimens from the high steppes of Siberia exposed to 50 degrees below.

Equally important is his work in producing hardy fruits, especially with the plum. Here comes in the necessity of putting good fruit on a hardy stock. He chooses the Dakota wild plum and the native sand cherry. This last must be gotten in shape. Some of the fruit is too astringent; this fault must be eliminated. So patiently for four and five generations he has discarded the poorer ones by the thousands, till now he has secured a fine native fruit. We grew some this year here at York and it was good. Now having secured a hardy stock with good fruit, he is ready for work, and has already procured some very fine types.

He has crossed the Japan gold plum with the improved sand cherry and secured a splendid and luscious fruit called Opata. He crossed *Prunus pisardi* on the same stock and has produced the most beautiful ornamental shrub we know of. It has not yet fruited but we expect that with its unrivalled beauty, it will produce great masses of purple fruit. He has scores of other fruits on the way, so that before long all that fruitless North West will be glorified with orchards charming in bloom and luscious in burden. Sunbeam raspberry is hardy without covering in Manitoba. It is very productive and the fruit is excellent. Dakota No. 2 strawberry is another production. It needs no covering in winter. We have had it three years and while the growth is not as good as some others, nor the fruit quite so large, every time in our recent trying springs it has beaten the Dunlap and others. It is just the thing for the busy farmer. It virtually says to him, "we will take care of ourselves, and in fruit season you come around with your pail."

Prof. Hansen is a Dane by birth, now in his glorious prime and no man has a brighter future. May the kindly Providence which watched over him in his perilous wanderings, give him long life and success in his stupendous work. He is professor of Horticulture in the South Dakota Agricultural College, located at Brookings. This is a beautiful town with a population of nearly 4,000. It is located in a very fertile region. The college is thronged with busy and enthusiastic boys and girls who will make themselves felt in that grand young state.

York, Nebraska.

C. S. Hammon

Seasonable Notes on Culture of Florists' Stock

CALANTHES

These orchids, blossoming as they do during December and January, produce their blooms when other flowers are not so profuse. When the blooms begin to open they should be kept as near the glass as possible, and in a night temperature of from 60 to 65 degrees with a rise during the day, if the sun shines, to 70 or 75, but if the day is dark or dull a rise of from 5 to 8 degrees will be about right. Don't apply too much water when the



CALANTHE VEITCHII AT JULIUS ROEHR'S CO.

plants are in flower—only just enough so as to keep the soil from drying out too much. When the flowers are half expanded on the spikes they can be removed to the cooler end of the warm house where their long sprays of bloom will keep in perfection for some weeks. After flowering they should be rested in about the same degree of heat as they were grown in for a period of from eight to ten weeks, during which time water should be withheld. This is a good orchid for the commercial grower, good for cut flower purposes and having good lasting qualities. *Calanthe Veitchii* and *C. vestita* are good sorts.

FORCING DAHLIAS

Where there is a vacant bench I would suggest the forcing of a few dahlias as they will come in about right for Easter, giving abundance of bloom from that date on. Now is the time to start the roots. Be sure when planting that you give them plenty of head room, and 5 or 6 inches of good soil. They can be grown in any house where a temperature of from 55 to 60 degrees can be maintained. Give them abundance of water at the roots when well started, not forgetting a good syringing on all fine days, using a good pressure on the underside of their foliage so as to hold red spider in check. Plant them from 18 to 24 inches apart as they will need all of this room. Stake and disbud the lateral growths as they progress. Watch out for the green fly and on the first appearance fumigate for this pest. The single, cactus, and pompons yield well to forcing.

GERANIUMS

When the chrysanthemums are gone there will be room, so don't neglect your geranium cuttings. You may have to wait until after the holiday rush of work is over. Those that were propagated in September should be potted into 2 or 3-inch pots. Use a good rich compost, with a little sand added and with the next and last shift use a heavier potting soil. Geraniums should not be allowed to stand still in their growth from now on if you want to have good plants by spring. Give water sparingly after potting them, but when the new breaks show good growth they will take as much as other stock. Don't

pack them away in some out-of-the-way spot, but give them a bench with all the light possible, where they can have plenty of fresh air on all fine days. Sprinkle the foliage on bright mornings as it makes them thriftier. Overhead sprinkling should be omitted when they are coming into bloom as it spoils the flowers. Those that you are growing for winter flowering that are in 5 or 6-inch pots should have a drier and a more bouyant atmosphere than the cuttings that have only been newly potted up. If you want these plants to grow and flower freely they should be given a night temperature of from 55 to 58 degrees and from time to time they will need overhauling, cleaning, pinching back and to be given more room by resetting on the bench.

HYDRANGEAS

A shed, pit or cellar that is moderately lighted and dry and which can be kept just clear of frost, will make an ideal storage place for hydrangeas that are intended for Easter and spring flowering. Those that are wanted for Easter can stay here until the first week in January and the others longer. They should be looked over occasionally and as the leaves fall these can be cleared away. While they will need but very little water while stored away, at the same time if the place is a dry one some will get quite dry at the root. They never should be allowed to get dry enough so that the wood will shrivel and always guard against anything like hard freezing. They will stand from 2 to 5 degrees below freezing if the wood is well matured, but when exposed to a lower temperature they are usually ruined, so far as the flowering is concerned. If you have grown some in pots all summer these will be far superior to field grown stock for Easter, but for late spring field grown plants will be all right.

PROPAGATING BEGONIA LORRAINE

It is time now to propagate this fine begonia. They like a constant bottom-heat of not less than 70 degrees and a top-heat of about 65 degrees where a moderately humid atmosphere can be maintained. A too muggy and stagnant moisture is bound to result in the loss of a good many cuttings. So never exclude fresh air entirely, but it is well to have the bed covered with some sashes so as to guard against excessive changes while the house is being ventilated. This will be great aid in keeping the required heat and moisture and if coupled with careful attention, the percentage of loss will be small. Select well-matured leaves of a healthy hue, that are taken from the most vigorous plants. In about six or eight weeks quite a number should be ready for potting.

SWAINSONA

These plants root easily from now on, so if cuttings are put in now and grown along without check, they will make nice flowering plants in 5 or 6-inch pots by next spring. When these plants are well-rooted they should be potted up into 2 or 3-inch pots and kept shaded for a few days until they get well established. They should be shifted as occasion may require until the desired size has been reached. Towards the last shifts use good rich soil. When these plants get pot-bound they will show flower and keep on blooming with great persistency. At this stage they should have some liquid manure about once a week. Florists who have a lot of make-up work can use these flowers well. The bloom should be cut when all the flowers are nearly full out and placed in water in some cool light place for 8 or 10 hours.

John J. M. Farrell

Mr. Farrell's next notes will be on Christmas Cultural Suggestions—Azaleas, Berried Plants, Cyclamens and Poinsettias, Flowering Plants, Primulas and Lorraine Begonias.

HORTICULTURE

VOL. XII

DECEMBER 3, 1910

NO. 23

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

 One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.
 Page and half page space, special rates on application.

 Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION— <i>Cattleya Dusseldorffii</i> var. Undine.	
VIOLA CORNUTA— <i>Richard Rothe</i> —Illustrated.....	765
FRUITS AND VEGETABLES UNDER GLASS—Pot Vines—Melons—Re-potting Fruit Trees—Bush Beans —Lettuce—Spinach— <i>G. H. Penson</i>	765
THE WIZARD OF THE NORTH— <i>C. S. Harrison</i>	766
SEASONABLE NOTES ON THE CULTURE OF FLORISTS' STOCK— <i>Calanthes</i> , Illustrated—Forcing Dahlias—Geraniums—Hydrangeas—Propagating Be- gonia Lorraine—Swainsona— <i>John J. M. Farrell</i>	767
SOME NEW CHRYSANTHEMUMS—Illustrated.....	769
CLUBS AND SOCIETIES: American Rose Society—Connecticut Horticultural Society—American Association of Nurserymen.....	770
Newport Horticultural Society—Tarrytown Horticul- tural Society—Chrysanthemum Society of America— Society of American Florists—Midwinter Show.....	771
Club and Society Notes.....	772
DURING RECESS: New York Bowlers.....	772
THE GARDENER AND HIS WORK— <i>John A. Forbes</i> ..	775
OBITUARY: Henry Diehl—Mrs. Josephine B. Deake—William Kennedy	778
SEED TRADE: The Holmes' Fire.....	780
FOREIGN PLANT INTRODUCTIONS.....	780
OF INTEREST TO RETAIL FLORISTS: Steamer Departures—New Flower Stores.....	782
Flowers by Telegraph.....	783
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago.....	785
Cincinnati, Detroit, New York.....	787
Philadelphia, Washington.....	792
MISCELLANEOUS: Swanson's Exhibit at Minneapolis Show—Illustration	771
Personal.....	772
<i>Cattleya Dusseldorffii</i> var. Undine.....	772
Philadelphia Notes.....	774
News Notes.....772-774-783-	794
Cincinnati Notes.....	777
A Pest on <i>Cypripedium</i>	778
Publications Received.....	779
Catalogue Received.....	779
Chicago Notes.....	783
Greenhouses Building or Contemplated.....	794
Incorporated	794

tions will be made public in due time and, as the great event is rapidly drawing near, we hope no time will be lost. Our particular object in mentioning the meeting here and now is to voice our admiration of the personal sacrifice that these gentlemen make in traveling long distances at considerable expense and loss of time when thus called upon to render a gratuitous service to the profession which they represent. We do not believe that the trade whose interests are thus promoted are as appreciative as they might be of the philanthropic work which is constantly being done through society channels by some of their fellow florists, in the good results of which they all participate. The entire profession, individually and collectively are under great obligation to the men who so cheerfully forget self and devote their best thought and energies to the advancement of the general welfare.

Summing up

Now that we have reached the close of the fall exhibition season it will be in order to count the cost and sum up results. In forming conclusions as to what has been gained it should be borne in mind that the mere question of financial success or even of artistic completeness is of minor consequence as compared with the broad educational results accomplished. That the public should have acquired, through these horticultural displays, a new appreciation of plant life and floral beauty is vastly more important than the fact of financial profit, although the latter is, of course, much to be desired. As we have before remarked, one of the horticulturist's most obvious duties to himself, to his profession and to the public is to work constantly to promote a greater popular interest in soil tillage, and garden products, whether grown for beauty or for utility. It should be the aim of the florist to impart information and excite enthusiasm concerning healthy plant life indoors and out. Perseverance in this will surely lay the foundations for a bigger and better demand for his products. As a means to this end, looking at it from a commercial standpoint alone, the flower show should be a most efficient factor and wherever the promoters of such have reason to feel that this stimulation has been accomplished, they need not look upon their labor as having been thrown away even if the cash balance does have a slight incline in the wrong direction.

THE SIXTH ANNIVERSARY

of HORTICULTURE'S birth is near at hand and according to precedent we shall signalize it by sending out a

SPECIAL ANNIVERSARY AND HOLIDAY NUMBER

under date of December 10. The hesitancy and timidity in business which we all have noted this fall should now give way to a healthy activity, and the date we have selected for this special issue will be just right for the enterprising dealer in any horticultural wares to invest in

SOME ADVERTISING WHICH WILL PAY

HORTICULTURE stands far in the lead as a paper with interested readers among the most reputable firms and representative men in the trade, and

QUALITY

is the strong point in its subscription list. Publicity such as HORTICULTURE will bring you is

THE KIND THAT IS WORTH HAVING

Where credit is due The schedule committee and board of control for the National Flower Show met in Boston on November 25 and 26. Besides the local members there were present Messrs. F. R. Pierson, Benj. Hammond, Harry O. May, W. A. Manda, A. Farenwald, Wallace R. Pierson and F. H. Traendly—the last named gentleman arriving late on the 26th. The results of the delibera-

Some New Chrysanthemums



Tarrytown.

Elmer D. Smith sends us the photographs with accompanying descriptions of several of his exhibition novelties, as follows:

Poughkeepsie.—Japanese Incurved, creamy white, strong grower, 8 feet, best from bud taken August 10 to 20. As large as Merza but not so closely incurved, 8½ inches in diameter. First-class certificate.

Glen Cove.—Japanese, outer petals broad and reflexing, color lavender pink of a very pleasing shade. Growth short-jointed resembling that of Mrs. Coombes. 5 feet. Owing to the short neck this variety may prove very desirable with the commercial growers. Blooms 8½ inches. Best bud August 10 to 20.

Morristown.—Might be briefly described as a beautiful rose-colored Mrs. D. V. Best. It has the same long reflexing outer petals while the



Poughkeepsie.

center ones incurve. The color is so clear and pleasing that we feel safe



Glen Cove.

in stating it outrivals any of the exhibition pinks. It is of the largest size, being 9 inches in diameter. It



Morristown.

resembles Ben Wells in growth. 6 feet. Early buds imperative. August 1st to 10th we consider best date.

Tarrytown.—A beautiful light pink with a slight tinge of salmon. The color is not only clearer, but more pleasing than that seen in W. A. Etherington but the blooms with us are larger. Buds saved August 15th to 25th are most satisfactory. 8 inches in diameter. Growth dwarf.

Thanksgiving Queen.—In form an improved and magnified Silver Wedding, being larger and more double. Color creamy white and maturing November 20th just right for Thanksgiving use. Only four feet high from early June planting, foliage medium in size. Stems so strong as to scarcely require tying. Blooms 9 inches in diameter. Best bud, September 1 to 10. C. S. A. Certificate.

Roman Gold.—This is another of Elmer D. Smith's novelties. It is a fine yellow incurved and scored 87 and 88 points, commercial scale, at Chicago and Cincinnati, respectively.



Roman Gold.



Thanksgiving Queen.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

Preliminary Schedule.

By special call of Frank R. Pierson, Chairman of the National Flower Committee, a meeting was held Friday, Nov. 25, in Horticultural Hall, Boston, by the American Rose Society schedule committee, and at this meeting, agreeably to the resolution passed at the Rochester meeting that the President of the American Rose Society should appoint a schedule committee in connection with the National Flower Show and should guarantee payment of any premiums in excess of the 1750 provided by the National Flower Show Committee, which the committee of the American Rose Society may deem necessary, such additional funds, if not awarded, to revert as an asset of the National Flower Show Committee, President Elliott appointed Messrs. F. R. Pierson, H. O. May, Eber Holmes, Adolph Farenwald, Benjamin Hammond, E. G. Hill, Alexander Montgomery, Robert Simpson, and Wallace R. Pierson as a committee. F. R. Pierson said it was impossible for him to serve on the committee, and this was the sense of all present. Mr. Elliott was urged to remain at the meeting, but he said he was unable to do so, and suggested that Wallace R. Pierson act as chairman. The committee adjourned until ten o'clock, November 26th, at which time Wallace R. Pierson called the committee to order and stated that Vice-president Farenwald was present, and that as vice-president he should preside over the actions of this committee, and the committee was so organized, with Vice-president Farenwald acting as chairman.

After some discussion, it was voted that the sum of \$1500 be expended by the American Rose Society in premiums for the coming exhibition of 1911—this being in addition to the \$750 already listed for potted plants and the \$1000 for cut flowers allotted by the National Flower Show Committee. The committee prepared the following schedule, each item of which was taken up separately.

Schedule of the American Rose Society for Cut Flowers.

DIVISION B.			
Class	1st Prize	2nd	3rd
1—Display of cut roses, not to occupy more than 200 square feet of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered and decorative green of any kind, including plants, permitted.....	\$250	\$150	\$100

DIVISION C.			
Class	1st Prize	2nd	3rd
2—50 American Beauty.....	\$50	\$30	
3—50 Killarney.....	30	20	
4—50 White Killarney.....	30	20	
5—50 Richmond.....	30	20	
6—50 My Maryland.....	30	20	
7—50 Mrs. Jardine.....	30	20	
8—50 Kaiserin Augusta Victoria.....	30	20	
9—50 La Detroit.....	30	20	
10—50 Mrs. Aaron Ward.....	30	20	
11—50 Cardinal or Rhea Reid.....	30	20	
12—50 Chateaufort or Mrs. Potter Palmer.....	30	20	
13—50 any other disseminated variety.....	30	20	

DIVISION D.

Special Retailer's Prize.

Class	
14—For the best and most artistic arrangement of 100 cut	

roses; any variety or varieties may be used, and with such accessories as the exhibitor may desire.....\$100 \$50

DIVISION E.

Class	1st Prize	2nd
15—25 American Beauty.....	\$25	\$15
16—25 Killarney.....	10	5
17—25 White Killarney.....	10	5
18—25 Richmond.....	10	5
19—25 My Maryland.....	10	5
20—25 Bride.....	10	5
21—25 Bridesmaid.....	10	5
22—25 Golden Gate or Uncle John.....	10	5
23—25 Sunrise or Sunset.....	10	5
24—50 Bon Silene.....	10	5
25—25 any other disseminated variety.....	10	5

DIVISION F.

Hybrid Perpetuals—Stems not less than 12 inches.

Class	1st Prize	2nd
26—Largest and best collection, not less than six varieties or less than six of a kind.....	\$20	\$10

DIVISION G.

Hybrid Perpetuals—Stems not less than 12 inches, open to private gardeners and amateurs only.

Class	1st Prize	2nd
27—For the largest and best collection, not less than six varieties or less than three of each kind.....	\$10	\$5

Special Prizes.

DIVISION H.

Class 43—Prizes as may be offered hereafter.

All roses exhibited excepting in Division B, Class 1, must be in position by Saturday, March 25th, 1911, not later than 2 p. m. The days of Tuesday, Wednesday continue, Saturday, Sunday and Monday.

Division B, Class 1, must be staged on Friday, March 31st, 1911, not later than 1 p. m. The exhibition of these roses will and Thursday will be devoted to a Carnation Show.

Roses in Pots and Tubs.

DIVISION I.

Class	1st Prize	2nd
28—Display in pots or tubs, any or all classes, to occupy not less than 300 square feet, arranged for effect.....	\$200	\$150
29—12 Climbing or Rambling, 6 or more varieties.....	60	40
30—6 Climbing or Rambling, 3 or more varieties.....	30	20
31—Crimson Rambler, specimen plant.....	10	5
32—Lady Gay, specimen plant.....	10	5
33—Dorothy Perkins, specimen plant.....	10	5
34—Tausendschon, specimen plant.....	10	5
35—Debutante, specimen plant.....	10	5
36—Hiawatha, specimen plant.....	10	5
37—Climbing, any other variety, specimen.....	10	5
38—Baby Rambler, crimson, 6 plants.....	10	5
39—Baby Rambler, pink, 6 plants.....	10	5
40—Baby Rambler, white, 6 plants.....	10	5
41—Collection of Hybrid Perpetuals, not less than 15 plants, uals, not less than 15 plants, uals.....	25	15
42—Collection of standard or tree roses, 12 or more plants, 6 or more varieties.....	25	15

BENJAMIN HAMMOND, Sec.

CONNECTICUT HORTICULTURAL SOCIETY.

Our second November meeting was held on the 25th, at Hartford. A leading feature was a splendid display of potted ornamental and foliage plants by President John F. Huss, who described each species briefly, giving facts regarding its origin, method of propagation, and special use among floriculturists. The following were among the collection: Aralia Victoria; Begonias Gloire de Lorraine, Patria,

Rex Kaetchen Schadendorf and Fearnley Sanders; Campylobotrys refulgens (Hoffmannia); Bougainvillea glabra variegata; Dracaena Pfisterii (cross between Williamsii and amabilis), and Guilfoylei; Aspidistra angustifolia; Ficus Parcelli; Fittonia argyroneura and rubronervum; Cyperus alternifolia variegata; Justicia coccinea; Impatiens Olivier; Solanum Capsicum; Sauntpaulia Ionatha. The judges, Messrs. Alex. Cumming, Jr., J. A. Weber, and John Gerard, recommended that a Society's diploma be granted to Mr. Huss.

These frequent exhibitions of flowers and plants at our business meetings add much to the attractiveness of and interest in our gatherings, and the information imparted concerning the exhibits is often very useful and instructive.

On Dec. 2d we are to be favored with a lecture by our former president, John T. Withers, of Jersey City, regarding the progress of horticulture in various countries through which he passed on his recent trip around the world, made especially for the study of the most famous parks, gardens, playgrounds, trees, etc. We have engaged Hillyer Hall, on Windsor avenue, Hartford; and the illustrated lecture will be free to the public. We are anticipating much pleasure and benefit from this event.

Our annual meeting for the election of officers will take place on December 11th; and the Society will enter upon the new fiscal year with all bills paid, with 176 members, and a growing life of usefulness to all its constituents. GEORGE W. SMITH, Sec. Melrose, Conn., Nov. 29, 1910.

AMERICAN ASSOCIATION OF NURSERYMEN.

The thirty-sixth annual convention of this association will be held June 14-16, 1911, in St. Louis, Mo. The headquarters of the convention will be "The Southern" hotel, a hostelry with a record which we have every reason to believe will demonstrate the wisdom of the choice made by the committee charged with the responsibility of making the selection. We are assured that this hotel was built especially for convention business, with every convenience for meetings and committees, with the largest lobby in the world, and 400 rooms for guests, each room having an outside exposure. If summer weather prevails at the time no better place could be found for comfort.

The secretary is already laying plans for a vigorous canvass for new members, and is hopeful that not less than one to two hundred will be obtained. The work done at the last meeting of the association in Denver, was such as should challenge the attention of every man claiming to be a nurseryman. The report of that meeting, containing papers and discussions, is worth several times the cost of membership, to say nothing of other valuable privileges secured by such membership. It is not too early to write the secretary for information regarding membership. His address is, John Hall, 204 Granite Building, Rochester, N. Y.

SWANSON'S EXHIBIT AT MINNEAPOLIS SHOW.



NEWPORT HORTICULTURAL SOCIETY.

An unusually well attended meeting of this Society was held on the evening of November 22. The attraction was the announcement that John P. Hammond and John A. Forbes were each to read a paper on "The Gardener and His Work." The routine business being quickly disposed of, Mr. Hammond prefaced his paper with a few witty remarks that sounded the keynote of what was to follow, beginning the paper with reference to the supposed troubles that Adam had in the Garden of Eden and following those of the gardeners to the present day, many of his assertions being original and humorous to a degree that brought out hearty applause from all present. The paper from Mr. Forbes, although on the same subject, was very differently constructed, yet the substance of both was that the occupation of gardener is one of the most dignified professions of all; its members more intelligent than the average and deserving of higher wages and better treatment than is given by most of their employers. A rising vote of thanks was given the authors of both papers.

The meeting was considerably lengthened by a very interesting talk from Treasurer A. K. McMahon, who may be said to be the "grand old man" of the Society, his subject covering a recent trip he made to the South. Other members who spoke very entertainingly were D. E. Campbell, Alex. MacLellan and Richard Gardiner, the latter giving a good account of the recent show at Lenox where he was a judge and found many worthy exhibits there.

TARRYTOWN HORTICULTURAL SOCIETY.

The regular meeting of the above named Society was held on November 25th. The Secretary read a report of the November Show which was very satisfactory. The number of entries were considerably larger than in former years, and in spite of the inclement weather on the last day the attendance was quite up to the average. The following honorary members were elected: Mrs. Stuyvesant Fish, Garrison, N. Y.; Robt. Clowry, Tarrytown,

and Frank A. Vanderlip, Scarborough; Wm. Marver, Larchmont; Henry Wagner, Tarrytown; Wm. Brock, Tuxedo, and Jas. Corrigan, Mamaroneck, were elected as regular members, while several names were proposed to be acted on at the next meeting.

The prize for this month for the best six roses, any one variety other than American Beauty, was won by James Stuart, gardener to Mrs. F. A. Constable, Mamaroneck, with a splendid vase of Pink Killarney. Wm. Roberts, gardener to Frederick Potter, Ossining, was awarded a first class certificate for a scarlet seedling carnation.

Nominations for officers for the ensuing year were made, and committees appointed to arrange for the annual dinner and to make inquiries regarding a hall for the next fall exhibition. The election of officers takes place at the December meeting.

WILLIAM SCOTT, Cor. Sec.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Boston, Mass., Nov. 5.—Pioneer, Jap., light pink, fringed petals, exhibited by Alfred J. Loveless, Lenox, Mass. Color 18, form 13, fullness 9, stem 15, foliage 12, substance 13, size 8; total 88 points, exhibition scale.

Chicago, Ill., Nov. 12.—Gerald Haschke, Ref., red, exhibited by Mrs. B. Haschke, Dayton, Ohio. Color 18, form 13, fullness 7, stem 12, foliage 13, substance 14, size 8; total 85 points, commercial scale.

Chicago, Ill., Nov. 19.—Thanksgiving Queen, Ref., white, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 18, form 13, fullness 8, stem 14, foliage 12, substance 14, size 9; total 88 points, commercial scale.

Cincinnati, Ohio, Nov. 19.—Thanksgiving Queen, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 16, form 12, fullness 8, stem 15, foliage 13, substance 15, size 10; total 89 points commercial scale. Color 8, stem 5, foliage 4, fullness 13, form 13, depth 12, size 32; total 87 points, exhibition scale.

Chicago, Ill., Nov. 26.—Chadwick Supreme, pink sport from W. H. Chad-

wick, exhibited by A. N. Pierson, Inc., Cromwell, Conn. Color 18, form 13, fullness 9, stem 14, foliage 13, substance 13, size 7; total, 87 points, commercial scale.

Cincinnati, Ohio, Nov. 26.—Chadwick Supreme, exhibited by A. N. Pierson, Inc., Cromwell, Conn. Color 15, form 10, fullness 9, stem 14, foliage 13, substance 13, size 8; total, 82 points, commercial scale.

New York, N. Y., Nov. 26.—Chadwick Supreme, exhibited by A. N. Pierson, Inc., Cromwell, Conn. Color 17, form 10, fullness 8, stem 13, foliage 13, substance 13, size 5; total, 79 points, commercial scale.

CHAS. W. JOHNSON, Sec'y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Canna.

Public notice is hereby given that The Conard & Jones Company, of West Grove, Pa., offer for registration the Canna described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

Green foliage, 3 to 4 feet, large flowers of rich, orient red, the center a lighter shade dappled carmine. Individual flowers and clusters and very large.

Name—"Olympic."

H. B. DORNER, Sec'y.

MID-WINTER SHOW.

The annual mid-winter flower show of the Massachusetts Horticultural Society will be held in Horticultural Hall, Boston, Feb. 24-26.

Ten silver medals, seven bronze medals and 75 money prizes ranging from \$1 to \$25 are offered in 35 classes of plants and flowers, which will include orchids, primulas, begonias, cyclamens, hyacinths, narcissi, tulips and other bulbs, roses, carnations, sweet peas. Prizes are to be offered also for winter apples and pears and collections of hothouse cucumbers, lettuce, mushrooms and tomatoes.

WELCH BROS.

Now Ready for the Holiday Season

BEST EQUIPPED ESTABLISHMENT IN NEW ENGLAND

The Responsible House that Always Fills Orders at Holidays
as Well as at other times.

Everything for the Flower Store

Cut Flowers, Plants, Evergreen, Holly, Mistletoe, Boxwood,
Southern Smilax.

SEND FOR PRICE LIST.

MAKE YOUR WANTS KNOWN.

226 Devonshire Street,

Boston

'Phones: 6267, 6268, 5419 Main

CATTELYA DUSSELDORFII VAR. UNDINE.

We take pleasure in presenting as a cover illustration the portrait of this exquisite novelty, which, exhibited by Julius Roehrs Company at the Boston orchid show last May, won the gold medal as the best seedling orchid plant not previously exhibited in the United States. This is a true albino hybrid, absolutely pure white. We are indebted to Mr. E. V. Low, Hayward's Heath, England, for the photograph.

CLUB AND SOCIETY NOTES.

The Twin Cities exhibition next year will be held in St. Paul. An agreement has been made to hold the show each year alternately in St. Paul and Minneapolis.

A patron who requests that his name be withheld has presented a \$50 silver cup to be competed for at the next June show of the Huntington (N. Y.) Horticultural and Agricultural Society, for the best twelve roses.

The Springfield, O., Florists' Club met on November 14, at the office of Leedle Bros., and had a very enjoyable time. A paper was read by Charles Youngstrand on the subject of "Advertising," and an interesting discussion followed.

It is very cheering to learn that the Rochester show, about which some doubt had been expressed, proved to have been entirely self-supporting. Following the auditing of all the bills it appears that the receipts exceeded the expenses by something less than \$100. The total attendance for the

four and one-half days was 27,760 persons.

DURING RECESS.

New York Bowlers.

Scores were made on Friday, Nov. 25 as follows:

Manda	176	156	194	146
Marshall	120	119	123	121
McArdle	130	156	123	121
Berry	151	191	182	104
Scott	162	123	128	143
Shaw	144	129	157	134
Nugent	84	88	93	100
Kakuda	81	100	111	126
Kleinman		190	152	159

The Warendorff prize was won by J. B. McArdle. The prize for December 2 is a silk umbrella given by Myer for the best average by non-winners of the club up to date. On Dec. 9 two prizes will be given by Rickards Bros. Thursday, Dec. 1, was the date for the match game at Astoria. Results in next week's paper.

AN EYE OPENER.

"Please find enclosed money order for \$1.00 for which please enter my name as a subscriber to your journal.

The sample copy you sent me was an eye opener, and it is just what I need. I find the Buyer's Directory alone well worth the subscription price. There are many times that one wishes to get an article in a hurry and does not know where it can be purchased, and this is just where the Directory will help you out nine times out of ten."

C. F. M., New York.

PERSONAL.

James Rust, of Chestnut Hill, Mass., and Miss Robina Murray are to be married on December 3, and will enjoy several honeymoons on the Allan liner Pretorian from Boston to Glasgow, Dec. 9, and until next spring in Scotland.

We learn with sincere regret that Mr. T. Mellstrom has decided to discontinue his annual trips to America as representative of F. Sander & Son, and will henceforth make his headquarters at Bruges. Mr. Mellstrom has made a host of affectionate friends in the United States and he will be greatly missed. He will be succeeded by David Cameron as American representative of the firm, with office at 258 Broadway, New York City.

NEWS NOTES.

Chicago, Ill. The Superior Boiler Works are installing a new hot water boiler for Wieter Bros.

Chicago, Ill. — The Park Flower Shop, Mrs. E. Morton, proprietor, has been moved to 206 E. 58th street.

El Paso, Tex. — Charles Snyder has disposed of his interest in the El Paso Carnation Co. and has purchased the greenhouses south of the El Paso Water Works. A general line of cut flowers and potted plants will be grown.

Marine City, Mich. — The new proprietor of the Marine City Floral Co., A. W. Robbel, has made many changes and improvements in and around the plant. Herbert Lester is now in charge of the growing, J. J. Houghton having severed his connection with the concern.

New Forcing Irish Rose

"MELODY"



The raisers of Killarney, Liberty, Mrs. Jardine and many other splendid roses both for forcing and out doors — Messrs. Alexander Dickson & Sons, the famous Irish rosarians — after exhaustive tests both at home and in America, have selected **"Melody"** as the best from hundreds of fine new varieties and we have arranged with our grower to put same on the market in the spring of 1911. The flowers are a lovely shade of yellow, deepening to apricot in the center, perfect in form, and very durable. **Melody** is a great producer and is destined to become a standard commercial sort, and a moneymaker to all who handle it — whether grower or retailer. We can furnish flowers of this great novelty now — at the following prices: —

Cut Flowers of Melody

Special	. . . . .	\$15.00 per 100
Fancy	. . . . .	12.00 " "
Extra	. . . . .	10.00 " "

Order some of the flowers of this fine novelty and show your customers the latest and best in the rose line.

We are also booking orders for plants of **"Melody"** for spring delivery at the following prices: —

Plants of Melody

1 ea.	doz.	25	50	100	500	1,000
\$0.75	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00

These are **Own Root** plants. We do not offer in grafted, as it has been found from experience that this variety does best as "Own Root."

We Also Offer For Spring Delivery

PLANTS OF DOUBLE KILLARNEY

A sport from White Killarney — pink in color — but nearly twice as double as the old variety; more prolific and a better shipper.

	ea.	doz.	25	50	100	250	1,000
Own Root	2 1/2	\$0.50	\$4.00	\$6.00	\$11.00	\$20.00	\$40.00
Grafted	1 1/2	.75	6.00	10.00	17.50	30.00	70.00
							\$150.00
							250.00

All orders will be filled strictly in rotation. Propagation limited; therefore, orders should be placed at once to insure getting these great varieties this year.



S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE **FLORISTS OF** **PHILADELPHIA**

PHILADELPHIA **NEW YORK** **WASHINGTON**
1608-1620 Ludlow Street 108 W. 28th Street 1212 New York Avenue

EXCLUSIVE FLORISTS RIBBONS AND SUPPLIES

Lily of the Valley---Cold Storage

FOR CHRISTMAS FLOWERING

Cold storage valley pips will force naturally in about 21 days in a temperature of 58° to 60° or even less. Write or wire your orders at our expense.

Price \$1.75 per 100; \$3.25 for 250; \$6.50 for 500; \$12.50 per 1000.

ARTHUR T. BODDINGTON, Seedsman,

342 WEST 14TH STREET,
NEW YORK

PHILADELPHIA NOTES.

P. N. Reed, late with the Florists' Exchange, has taken a position with the Pennock-Meehan Co., as one of their outside men.

The subject of the paper by E. A. Stroud at the December meeting of the Florists' Club will be: "How can we make our Flower Shows more interesting?"

Thos. P. Hunter and family (of Wynnewood) will spend the winter in Europe. This has curtailed to a large extent the operations on this splendid new estate on the main line—of which Joseph Hurley is superintendent—and many orders for nursery stock, greenhouse materials, etc., have been suspended for the present.

Frank L. Polites and Eurania Louzion were married at Musical Fund Hall on Tuesday, November 27th, at 3 p. m. Cupid has been having a busy time these past ten days among our distinguished florists. First it was Patrick Joseph Lynch, then Parker Thayer Barnes—now it's Frank L. Polites. Sing, hey, the merry maidens! Away with the old bachelors. Let them cease being tin cans on the dump of life.

E. G. Hill will exhibit his three new roses at the Florists' Club the first Tuesday in December. This is the first time in the East, and we are looking forward with pleasant anticipations. Mr. Hill usually has something of intrinsic merit to offer but, above all, we like his persuasive and inimitable manner of presenting the merits. That alone is a rare treat and seldom fails in booking a good order.

Among the visitors in Philadelphia this week were E. S. Miller, Wading River, N. Y., and Cy. Warman, Montreal, Canada—both guests of W. Atlee Burpee. Mr. Warman is a celebrated wit, poet, philosopher and scholar, and gave a delightful illustrated "Travelogue" on Canada on Tuesday evening, the 29th inst., at Witherspoon Hall, under the auspices of the Canadian Society, of which Mr. Burpee has the high honor of being president this

year. A distinguished audience greeted Mr. Warman, among whom were a large sprinkling of the elite in the horticultural world of this and other metropolitan centers—a red letter occasion which none of the participants will ever forget. Enlightening, enjoyable, effervescing, entrancing! Come again, Mr. Warman.

We got a glimpse of the new yellow rose Lady Hillingdon at the Pennock-Meehan establishment the other day. This is a charming variety and seems to be phenomenal as a keeper. The flowers were in good shape after ten days—with rough travel incidental. It has that lovely, rich buff tinge, in the yellow, which adds liveliness to the golden. The form and substance seem to be good also; but we must wait to see it at its best before forming or expressing an opinion on this. The exhibit came from the Waban Rose Conservatories, Natick, Mass., and the flowers were cut from plants brought from England only ten weeks previously. Mr. Montgomery thinks well

of this newcomer, so far, and we will be glad to hear from him further as to her behavior. Looks promising.

This clipping is from the "North American" of recent date:

What has become of all of the small flower dealers near the Reading Railway Terminal and elsewhere who used to sell posies to poor people at very moderate prices? They have all vanished, driven off the streets in order to make a monopoly for the favored ones on city hall pavement, who charge very much higher prices. It is whispered that this means dollars to petty grafters inside the building and frequent contributions of free flowers at the homes of those higher up. Can this be true? INQUIRER.

Chestnut Hill, Nov. 22.

Inquirer should not get peevish about a little thing like that. The stand holders are probably paying the full site value to the city; and there are lots of doorways and empty stores for rent on the streets mentioned.

Visitors: Martin C. Ribsam, Trenton, N. J.; Winfield S. Harry, Conshohocken, Pa.; Mr. Stratmyer of Z. D. Blackstone & Co., Washington, D. C., (accompanied by Mrs. Stratmyer); George Dunn, superintendent for Mrs. Sturgis, Lenox, Mass.; R. Renison, of Wadley & Smythe, New York City; Mr. Ratclyffe, of Ratclyffe & Tanner, Richmond, Va.; Parker Thayer Barnes and Mrs. Barnes, Harrisburg, Pa.; P. J. Lynch and Mrs. Lynch, New Castle, Ind.

NEWS NOTES.

Batavia, N. Y.—Thomas A. Webb is now employed by Gustave Noack.

Denver, Colo.—Fred C. Schumann has purchased the N. S. Kime place. He intends to devote it to violet growing.

Troy, N. Y.—The Tenendaho Greenhouses have been purchased by Harvey Collins who took possession Nov. 16th.

Port Arthur, Tex.—The Port Arthur Greenhouse property has been purchased by E. H. Pearsons and improvements and additions will be made.

PEIRCE BROS.
WALTHAM, MASS.

**AZALEAS
CYCLAMEN
FERNS
AND OTHER
CHRISTMAS
PLANTS**

For particulars address

PEIRCE BROS.
WALTHAM, MASS.

::Chrysanthemum Novelties::

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. : : : : : : : : : :

IN NEW CARNATIONS I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalog will be ready in December. Send for a copy. : :

CHAS. H. TOTTY, : : : : MADISON, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties** which have **stood the test of years** in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

THE GARDENER AND HIS WORK.

(A Paper Read Before the Newport Horticultural Society by John A. Forbes.)

There is no denying the fact that the gardener of today has to be wide-awake and alert to battle with the many demands that confront him in his daily work. Progress and achievement have been accomplished only by patience and perseverance, and in the face of it all great difficulties and many disappointments will confront him just as sure as the sun shines. The great problems of today demand constant attention, both mental and physical, and these can only be met by hard work on the part of the gardener. The man who is in love with his work will strain every nerve in order to satisfy his ambition, and the question is—Is that man fully satisfied? In my opinion—No; he may be in a minor degree only, for he is striving for

something better, something that means improvement, advance, and speaks success. Competition and rivalry are the two things that keep the gardener continually at boiling point. He is striving to get ahead of his brother gardener. Very few men have reached their zenith of triumph, but that should not in any way discourage him. No matter which department of gardening a man is employed in, or how insignificant he thinks the work is that he is obliged to do, let him do his very best, and at the same time bear in mind that concentration of thought and energy overcome many difficulties and work wonders, and that no one is perfectly independent of the other, for each contributes however small, towards the completion of the whole.

I cannot say what tools Mr. Adam had in the Garden of Eden, or what

he used for scale, black spot, etc., but I do know this much, that the gardeners of today are enjoying better facilities than those of earlier days. They are keeping abreast of the many diseases and insects that attack plant life and, thanks to those men who make a study of that particular branch we are today enjoying the fruit of their labor. The gardener has got to be master of his profession (I use the word profession as I consider our vocation well worthy of the name). Each and everyone has his particular hobby; some will devote their time to raising a certain kind of vegetable, or vegetables, others have their pet flowers—the chrysanthemum for instance, or the dahlia—another the comely little pansy. One is just as great as the other, and each has its admirer. They are all beautiful in their several orders, and much desired. It follows

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Princeps, \$6.50 per 1000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Paper White Grandiflora, 13 c/m and up, \$9.00 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

	Per 1000		Per 1000
Chrysolora	\$7.00	Prince of Austria	12.00
La Reine	8.00	Rose Luisante	14.50
Rose Griselina	8.50	Vermillion Brilliant	18.50
Thomas Moore	8.00	Single Finest Mixed	
Mon Tresor	11.50	all colors, for bedding	7.50

Murillo, the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.

Salvator Rosa, \$14.00 per 1,000.

Double, finest mixed, all colors for bedding, \$8.50 per 1,000.

HYACINTHS

Our stock of these will be found exceptionally fine. **Fine Named**, our selection, best sorts (For list of varieties, see wholesale list), \$4.00 per 100, \$35.00 per 1,000.

Separate Colors, single, pink, white and blue, \$20.00 per 1,000.

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.

White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Multiflorum, case 300 bulbs, \$13.50.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1 1/4 inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties—Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Gladiolus American, the finest of all gladioli for forcing, \$25.00 per 1,000.

Spirea, in case lots of 100 bulbs—Japonica, \$4.50 per case; **Compacta Multiflora**, \$5.50 per case.

Pot-Grown Lilacs—Marie LeGrave and Chas. X., \$9.00 per dozen.

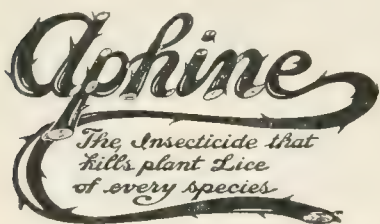
For other Bulb Stock, see our complete wholesale bulb list, free on application

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
N. Y.

then that patience and ability is required to assist nature to clothe herself in her best robes, and reveal her good qualities for the enjoyment of all.

Now let me ask the question—How



Does all that is claimed for it. It has proved itself to be one of the cheapest and most effective insecticides known today.

Aphine does not alone destroy the insects, but also contains excellent cleansing qualities,—in fact, some experts claim it invigorates plant life.

Have you tried it?

\$2.50 per gallon—\$1.00 per quart

Get It From Your Seedsman

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

does the gardener stand today as compared with other skilled labor? Is he reimbursed for his caretaking, skill and patience to the extent of his merit? No, he is underpaid. Does the employer recognize in his gardener a scholar of no mean ability—a man who has a thousand and one things to remember, whose brain is continually working to guide the hands that perform the duties necessary to care for plant life under his charge? I say emphatically—No. A seedsman told me that employers nowadays consider the gardener no more than a handy man, a domestic machine, of the same calibre as the houseman, the choreman, and all the other specimens of humanity in the house. That is no exaggeration, and why should such a thing be? Who is responsible for allowing the ancient and honorable profession to be dragged down until it is considered no more than a laborer's job? We don't require to go very far for an answer—the gardener himself. The remedy is in his hand. By sitting still and letting the other fellow do it, nothing substantial can be accomplished. The whole craft has got to come closer together. The old saying "Union is strength," still stands today. The gardener's reward lies principally in the gladness of his own heart, and the expressed approbation of his brother gardener. He did his duty, he did his very best, he transformed a desert into a beautiful garden and if the first gardener and his assistant failed and made a botch of the work, the last gardener will rearrange the whole establishment, and satisfaction will be the reward.

WARNING.

George C. Watson having been informed that his name was being used in Detroit (and probably in other places) by George F. Richmond, to secure cash on bogus drafts and checks, wishes to inform the trade that such endorsement is without warrant, and those concerned are consequently warned that any money advanced on such basis will be at the issuer's risk and expense. This warning is issued without prejudice, and solely for the protection of the friends of the aforesaid George C. Watson.

Philadelphia, November 23rd, 1910.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept.

Floral Park, N. Y.

SPLENDID STOCK FOR THE HOLIDAYS DREER'S UNEQUALED SPECIMEN PLANTS

of

COCOS WEDDELIANA

If you have not included specimen plants of Cocos Weddelliana in your Christmas stock before you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3 in. pots, 8 to 10 ins. high,	\$2.00 per doz., \$15.00 per 100
5 " 18 " 24 "	Splendid plants, 75c each.
7 " 36 " 42 "	Grand specimens, \$2.50 each.
10 " 30 " 36 "	Very stocky, well balanced plants, \$5.00 each.

ADIANTUM FARLEYENSE

In prime condition for use in hampers, made-up work, etc.

4 in. pots, splendid stock.....	\$5.00 per doz.
5 " " " " " " " " " " " "	9.00 "
6 " " " " " " " " " " " "	12.00 "

ASPLENIUM NIDUS AVIS

Birds' Nest Fern

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine for made-up work.

3 in. pots.....	30c each.
4 " " " " " " " " " " " "	40c "

PLATYCERIUM STEMMARIA

A large leaved variety of the Elk's Horn Fern. This is novel and out of the usual run and will attract attention. Good 6 inch pots.....\$2.50 each.



HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

BOSTON FERNS, 2½ inch \$30.00 per 1000.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 25 cents each.

H. H. BARROWS & SON

Whitman, Mass.

CINCINNATI NOTES.

Gus Kohlbrand, manager for E. C. Ameling Co., Chicago, was in town last Saturday, soliciting orders for Christmas.—Jno. Walt spent Thanksgiving in Columbus, O.—Miss Mae Carrol visited the larger Kentucky towns the past week soliciting orders for bulbs for D. Rusconi.—A fire that originated in a barn close to the greenhouses of J. T. Herdegen, at Aurora, Ind., destroyed one end of a 20 x 75 ft. house. Mr. Herdegen estimates his loss at \$100 with no insurance.—Visitors: Ellis Woodworth, with the Sefton Mfg. Co., Chicago, Ill.; J. T. Herdegen, Aurora, Ind.

ORCHIDS

JUST RECEIVED a large lot of Cattleya Trianae, C. Schroederiae, C. Gigas Sanderiana, C. Gigas Hardyana, Miltonia Vexillaria. Correspondence solicited.

John DeBuck

Care Maltus & Ware
14 STONE ST., NEW YORK, N. Y.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Our Specials. Araucaria Excelsa Compacta Robusta, Exceles Glaucæ, Kentia Belmoreana and Forsteriana, also Ferns, Begonia Gloire de Lorraine, etc.
Write for Prices.

CERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?
CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.
Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

Tobacco Paper

IS THE
STRONGEST,
BEST PACKED,
EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/4 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Furnishes the
Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Obituary.

Henry Diehl.

Henry Diehl, an old and respected Philadelphia craftsman, was laid away in his last resting place last Saturday, leaving a host of loving and sorrowing friends. At the time of his death he was gardener for J. F. Zimmerman, Chestnut Hill.

Mrs. Josephine B. Deake.

We have received news of the death, on November 19, at Twin Falls, Idaho, of Mrs. Josephine B. Deake, formerly of Asheville, N. C. Mrs. Deake was a life member of the S. A. F. and previous to her removal to the far west, a very regular attendant at the conventions of that society. Her age was 71 years, 9 months.

William Kennedy.

William Kennedy, 69, a well known landscape gardener and florist, died on November 23, at his home in Greenfield, Mass., after an illness of about a year. Mr. Kennedy was a competent man in his business, and in younger days had been employed on the estates of the Duke of Argyle of Scotland, and Sir Richard Wallace of Ireland. Since coming to Greenfield about 40 years ago, he had had charge of the grounds of James C. Converse, G. Clinton Gardner, George H. Hovey, George E. Rogers, William H. Ulrich and others. Some time ago, for a period of seven years, he had charge of the grounds of R. C. Nickerson at East Brewster. Recently he had the landscape work at Pittsfield for Mr. Prentiss, a son-in-law of John D. Rockefeller, also of the large Nevins' place at Methuen. His last work in Greenfield was grading the entrance to Shattuck Park. For a time he conducted a florist's business in Greenfield.

Mr. Kennedy leaves his widow and six sons, Isaac, of Cleveland, O.; Thomas, of Philadelphia; William, of Brookline; Sherrard and John, of Greenfield.

A PEST ON CYPRIPEDIUMS.

Editor HORTICULTURE:

I am sending by mail some cypripedium leaves from a plant purchased a short time ago. When received the leaves were spotted with something like rust. It has spread and some other cypripediums are now affected. I never had any trouble with them

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

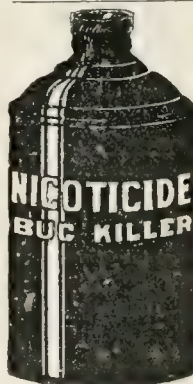
E. H. HUNT, 76-78 Wabash Avenue, Chicago



KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating
28 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$2.50
Stump & Walter Co. 50 Barclay St. New York.



NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

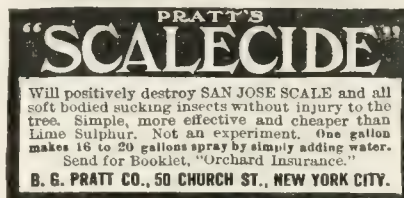


The Best
Bug Killer and
Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.



PRATT'S
"SCALECIDE"
Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

until now. Can you find out for me the cause and a remedy?

Answer—The leaves received are infested with yellow thrips, which is a terrible pest when it gets into a cypripedium house. Some species are more susceptible to it than others. The Lawrenceanum types are particularly subject.

To eradicate the thrips sponge the foliage well with whale oil soap and then dip once a week in good strong tobacco water.

Cattle Manure in Bags Shredded or Pulverized

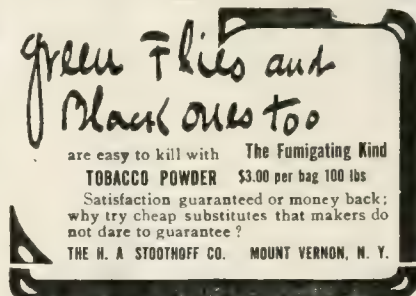


Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
13 Union Stock Yards Chicago



green Flies and Black Ones Too
are easy to kill with The Fumigating Kind
TABACCO POWDER \$3.00 per bag 100 lbs
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOHOFF CO. MOUNT VERNON, N. Y.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

PUBLICATIONS RECEIVED.

"The Modern Culture of Sweet Peas" is the title of an up-to-date treatise on Sweet Peas and their culture by Thomas Stevenson, an English enthusiast, whose zeal is perhaps second only to that of the indefatigable Henry Eckford.

The book contains 86 pages of reading matter, six beautiful colored plates illustrating the most advanced sweet pea varieties, six finely executed half-tones showing methods of cultivation as well as flower forms, and it is substantially bound in stiff cloth covers.

Mr. Stevenson's treatment of his subject is not only comprehensive, but complete to the minutest detail; the most trivial necessary attention is in no instance overlooked. In the introduction, he shows the prominence of the sweet pea in horticulture at the present time. He indicates the great improvement made in recent years by pointing out that not a single variety popular twenty years ago is really worthy of a place in the garden now. Five chapters are devoted to soil, its preparation and situation; time of sowing, which in England, he considers better done in autumn than in spring, and he even prefers that the seeds be sown then in pots and transplanted to the open ground in March; transplanting, staking, mulching, feeding and watering. The remainder of the book treats of how the flowers should be gathered, packed, shipped and staged for exhibition or arranged in the drawing room. The writer also adds a valuable chapter giving in his opinion the names of the best forms in each color group. (We may here state that such lists must not be wholly relied upon for use in this country, for several sorts which do well in England are found to be seriously affected by the sun in our drier and hotter climate). Mr. Stevenson's book will prove of value to sweet pea lovers, and we commend it to their attention.

Report of the Parking Commission of

Established 1820

Thorburn's Bulbs

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

New Orleans.—This publication comprises interesting information regarding the duties and work of the commission, municipal arboriculture and a brief review of principles and practice well illustrated by eight full page half-tones showing street tree planting, wise and unwise, in various city thoroughfares.

CATALOGUE RECEIVED.

A. N. Pierson, Inc., Cromwell, Conn.—Christmas Price List, 1910. This is a neat 8-page pamphlet, illustrated, giving prices on ardisias, ferns, crotons and other holiday specialties in florists' plants.

Washington, Nov. 30.—The Department of Agriculture is in need of an assistant physiologist in plant nutrition—male. The position will pay \$1200 a year. In order to secure eligibles from whom to make certifications, a civil service examination will be held December 30, but the candidates will not need to assemble at any particular place for any of the tests. These will include general education and training, special training in organic chemistry and botany, training and experience in plant nutrition and the writing of a 1000 word thesis on some phase of investigation conducted by the applicant. The age limit is between 20 and 45. F. J. DYER.

There are many lily bulbs imported into this country from Japan to sell at low prices—they are usually the "leavings" after selected bulbs have been sorted out. There are growers who want cheap stuff and it is the same in every business, the cheap and the high class element. Horse-shoe Brand bulbs are not intended for the cheap element because they can't be sold at prices to compete with the "leavings." The Japanese call them the "Rubbishes." Now these so-called "Rubbishes" may not be bad bulbs, but it is sure they are not the best, and we maintain that the best are the most economical to force.

Just ask the man you buy from where he gets his bulbs? The same as you would your coal dealer when you want good coal. We are direct importers of the very highest class of Japanese lily bulbs and if you want good bulbs you can get them here. Any quantities, almost any sizes and varieties on the market.

Prices Reasonable.



Ralph M. Ward & Co
12 West Broadway,
NEW YORK

Not New Cheap
But New Good

Seed Trade

A leading New York seedsman whose views are the result of careful observation, expresses the opinion that with the exception of a few items known to be in short stock, a declining market on garden seeds is imminent. He instances the low prices which "truck" has brought during the past season as likely to discourage the small gardener from planting and believes that this contingency will decrease the consumption considerably in the aggregate, especially in view of the high prices generally prevailing at the present time.

The Holmes Fire.

Later particulars received since our last week's telegraphic despatch would indicate that the loss sustained by the Holmes Seed Co. in the fire at Market Square, Harrisburg, Pa., will be about eighteen to twenty thousand dollars, fully covered by insurance. This is less than at first reported and gratifying so far as it goes, but no insurance money can replace two carloads of peas and other scarce items. The actual cost is as nothing compared to the consequential damages on the coming season's trade. We extend our heartiest sympathy to the company in this misfortune and know that the trade generally will strain a point, and part with all they can spare of scarce articles at reasonable figures.

BULLETIN OF FOREIGN PLANT INTRODUCTIONS.

New Plant Immigrants.

Anchusa myosotidiflora. 28023. A beautiful perennial spring-flowering plant, looking strikingly like a large forget-me-not. (Meyer's introduction.)

Bauhinia monandra. 27159. From Deli, Portuguese Timor, East Indies. Presented by Mr. O. W. Barrett. "Ornamental shrub. Pod 20-22 cm. long. Probably new or very rare in America. Adapted to California, Gulf States, Porto Rico, etc." (Barrett.) For distribution later.

Cacarea erosa. 27959. From Tampico, Mexico. Presented by Dr. Edward Palmer. Seed of a vine called *Jicama de agua*. "This is the finest and most valued variety, because of the agreeable water it affords. Travelers carry a supply of the roots as a substitute for water. Last winter it was for sale at many street corners." (Palmer.) For distribution later.

Citrullus vulgaris. 27804. From Erivan, Caucasus. Mixed local varieties of watermelons, including red and yellow ones. Reputed to be of fine quality. These and other vegetables from this region to be tested under irrigation in the hot-summered and semi-arid sections of the United States. 27986-987. Watermelons from Elisavetpol, Caucasus. The Elisavetpol watermelons are noted for their large size and good quality. No. 27987 produces fruits weighing as much as 30 lbs., and the seeds are scarcely noticeable. (Meyer's introductions.)

Cucumis Melo. 27805. From Erivan, Caucasus. A celebrated local variety called "Dootma," said to be very fine. These melons are buried underneath the soil while growing, otherwise they do not acquire the right flavor and aroma. 27988. The same variety as above, from Geok-Tapa. 27989-991. Three choice local varie-

ties of muskmelons from Elisavetpol and Geok-Tapa, Caucasus. (Meyer's introductions.)

Feijoa Sellowiana. 27957. Guayuba. From Salto, Uruguay. Procured by Mr. John J. C. Williams. "A plant belonging to the guava family. Dr. Andre, who has paid special attention to this fruit, pronounces it something exceptionally delicious. The fruits are about the size of a large English walnut, green in color and covered with blunt protuberances. It is believed that this plant can be grown successfully in all the frostless regions of the Southwest. It is well worthy of serious consideration by all those interested especially in subtropical fruit culture." (Fairchild.) For distribution later.

Haloxylon ammodendron. 27802. From Tiflis, Caucasus. The Saxaul, a tree or tall shrub, resisting alkali and aridity to a most remarkable degree. In certain sections of Central Asia it is practically the only tree to be found, and its wood is much used for fuel. Remarkable as a wind break and fuel supply in the desert regions of the Southwestern United States. Obtained from the Tiflis Botanical Garden, the only garden in the world where a plantation of this remarkable plant exists. (Meyer's introduction.)

Malus sp. 27968. From Geok-Tapa, Caucasus. A bushy apple which rarely grows over 5 feet in height. It produces red apples of fair quality, is very drought resistant and stands high summer temperatures. May be used in hybridization and in creating a strain of bush apples. (Meyer's introduction.)

Asparagus sp. 28047. From near Dushet, Caucasus. An asparagus of ornamental habit, seen only once on a dry mountain side at an elevation of about 3,000 feet above sea-level. To be cultivated as a garden perennial in regions with light annual rainfall. (Meyer's introduction.)

Chaetochloa italica. 28048. From Manchuria. Procured by Mr. Edward C. Parker. "Chinese name, Hsiao-me. This species of millet is grown everywhere in Manchuria. It is one of the staple and universally used human foods. When properly hulled and cooked it is an excellent breakfast food." (Parker.) For immediate distribution.

Diospyros discolor. 28081. From

Port-of-Spain, Trinidad. Presented by Mr. F. Evans. "A small tree, native of the Philippine Islands. The fruit is like a large quince, and in some places it is called mangosteen; its proper name is mabola. It is agreeable and has a pink colored, fleshy rind." (Watt: Dict. Econ. Prod. Ind.: III: 138.) For distribution later.

Juglans regia. 28099-109. A collection of 11 varieties of walnuts from Chile. Received from Mr. Jose D. Husbands. For distribution later.

Lavatera assurgentiflora. 28110. From Mr. Jose D. Husbands, Lima, Peru. Chile. "This deciduous shrub, now to some extent cultivated, is one of rare beauty and grace. As an ornamental shrub or tree, for it grows as high as 15 feet, it will be highly esteemed when more generally known. The flowers are purple, about 2½ inches broad, and in this climate continue long in bloom." (Kellogg in Proc. Calif. Acad.: 1: 14.) For distribution later.

Medicago sativa. 28037. From Riga, Russia. Purchased from Messrs. Vollmer & Co. "This lucerne seed has been grown in one of the coldest Governments in Russia and has been recognized to be the hardiest strain ever offered. No other lucerne seed will compare with it, as it comes from the cold Samara Government near the Ural." (Vollmer.) For immediate distribution.

Medicago spp. 28039-043-046. Six species of perennial medicagos from the Caucasus, growing at elevations of from 3,000 to 5,000 feet. They all have great value as fodder plants in the cooler sections of the United States. (Meyer's introductions.)

Nothofagus sp. 29113. Red oak from dry Central Chili. Received from Mr. Jose D. Husbands, Lima, Peru. Chile. For distribution later.

FOR EASTER

SOW NOW

Michell's Flower Market Stock

The stock every good florist knows
Nothing better for cutting

	¼ Trade Pkt.	Trade Pkt.	Oz.
Colors: White, Flesh Pink, Rose Pink, } Light Blue, Dark Blue, Blood Red }	.30	.50	\$3.50
Mixed Colors (every shade known)	.30	.50	\$3.50

HENRY F. MICHELL CO.

Now at 518 Market Street,

PHILADELPHIA

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.
42 Vesey St., New York.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep Crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright Red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, Claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.

G. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Bulbs Selling Rapidly

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next spring, place your order of bulbs with us this fall. **DO IT NOW.** They will be sold out a little later.

James Vick's Sons
Rochester, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

S. D. WOODRUFF & SONS Seed Growers

Dealers in Garden, Field and Flower Seeds.
CATALOGUE and SPECIAL QUOTATIONS.

82 and 84 Dey St., NEW YORK
ORANGE, CONN. Warehouse, QUEENS, L. I. Tel. N. Y., 7573 Cortland

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.62	Red Bird Millet, \$2.55
Ger. Bird Rape, \$3.50	Per Bush.
	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWFDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Established 1820

Thorburn's Seeds

CYCLAMEN GIGANTEUM SEED,

Berglinden Strain, new crop.

Special offer to florists of this splendid strain
(sold by us for many years).

PURE WHITE	All
WHITE AND RED	50c. per 100 Seeds
DARK RED	or
CARDINAL	\$3.50 per 1000
WHITE AND ROSE	
LILAC	
ROSE	
MIXED	
AURORA BOREALIS	60c. per 100 Seeds
SALMON QUEEN	or \$4.50 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

FOR THE NATIONAL FLOWER SHOW

or any other event where special
grade is wanted

We Have a Line

of about 25 varieties of the best
FORCING HYACINTHS, mammoth
bulbs, specially selected.

New Crop Sweet Peas

All the the new and desirable forcing
varieties, Spencer and Grandi-
flora types.

Send for Catalogue. You'll find it
useful.

"BUDS"

CARL R. GLOECKNER, Pres.
76 Barclay St., New York

FRENCH and DUTCH BULBS

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

White French Romans

12 to 15 ctm. Surplus Stock. Write for Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO
We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Port O'Connor, Tex.—Wm. Schumann, formerly manager at Grimm & Gorly's, St. Louis, Mo., will start a florist business here.

New Orleans.—The opening night of the French opera here definitely marks the inauguration of the social season, and it would be hard to conceive a more beautiful sight than the great auditorium on Tuesday, Nov. 22nd, containing all the debutantes of the season, each carrying an armful of flowers. Beauties, Richmonds, Killarneys, My Marylands, and Perles

STEAMER DEPARTURES

Allan.

Pretorian, Boston- Glasgow... Dec. 9
American.

New York, N. Y.-S'hampton... Dec. 3
St. Paul, N. Y.-S'hampton... Dec. 10

Atlantic Transport.

Minnewaska, N. Y.-London... Dec. 3
Minneapolis, N. Y.-London... Dec. 10

Cunard.

Carpathia, N. Y.-Mediterranean... Dec. 3
Saxonia, Boston-Liverpool... Dec. 6
Campania, N. Y.-Liverpool... Dec. 7

French.

La Savoie, N. Y.-Havre... Dec. 8
Niagara, N. Y.-Havre... Dec. 10

Hamburg American.

Pres. Lincoln, N. Y.-Hamb'g... Dec. 3
Cleveland, N. Y.-Mediterranean... Dec. 6
K. Aug. Vict'a, N. Y.-Hamb'g... Dec. 10

Holland-American.

Potsdam, N. Y.-Rotterdam... Dec. 6
New Amsterdam, N. Y.-R'dam... Dec. 10

Leyland.

Winifredian, Boston-Liverpool... Dec. 7

North German Lloyd.

Konig Albert, N. Y.-Mediterranean... Dec. 3
F. Der Grosse, N. Y.-Bremen... Dec. 8
Prinzess Irene, N. Y.-Mediterranean... Dec. 10
K. W. Der Gr'sse, N. Y.-B'm'n... Dec. 13

Red Star.

Gothland, N. Y.-Antwerp... Dec. 7
Lapland, N. Y.-Antwerp... Dec. 10

White Star.

Celtic, N. Y.-Liverpool... Dec. 3
Majestic, N. Y.-S'hampton... Dec. 7
Canopic, Boston-Mediterranean... Dec. 7
Cedric, N. Y.-Liverpool... Dec. 10
Zeeland, Boston-Liverpool... Dec. 13

were the favorites, while a few carried chrysanthemums. Not only were flowers carried, but the ledges of the boxes occupied were strewn with flowers sent by admiring friends. Owing to the lateness of the lenten season this year the trade expects to be kept steadily busy, as flowers and floral decorations have become a necessity for nearly all social functions.

NEW FLOWER STORES.

Connellsville, Pa.—G. Shomer.
St. Johns, Ore.—C. C. Bardwell.
Chicago, Ill.—Boston Flower Store,
547B East 47th street.
Mobile, Ala.—L. R. Conover, 23
North Conception street.

Chicago, Ill.—M. Centanno has opened a retail flower store at 864 Halsted street.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home-made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Thanksgiving Among the Retailers.

Retailers quite generally are pleased with their sales for the Thanksgiving week, and while all consider the business done to be fully up to the average, many found it far in advance of previous years. Prices ran high for first class stock and medium grades were scarce, a condition not altogether to be desired, but trade was brisk notwithstanding and stores were generally kept open throughout the day.—At Harry Rowe's the call was principally for long Beauties and first class chrysanthemums. Long Killarneys also were much sought for and sold at a good price.—At Lange's everything that could be called a good flower sold, and the store force was kept on the alert all the week. A large wedding decoration in the Gold Room of the Congress Hotel, on Saturday, was a fitting close for a very busy week.—Fleischman found the week a busy one

and the demand included every variety of flower in the market. The scarcity of orchids was particularly felt at this store.—Friedman expresses himself as very pessimistic on the question of violets and orchids. The former when home grown cannot be had in sufficient quantity to nearly supply the demand and those from New York are stale when they reach here. Orchids are not as yet produced in quantity to make them altogether desirable to handle. The customer feels himself imposed upon when the price soars up to two dollars, as it does on special days. Mr. Friedman says the volume of business this Thanksgiving exceeded that of any previous one in the 20 years he has been in business.—At Walter Kreitling's they notice the steady growth in popularity of the pompon chrysanthemums for table use. This made them good sellers for the holiday just past. The smallest yellow ones were especially in demand and were used with pumpkins for vases.—Bohannon Floral Co. was popular with the wedding parties and had several decorations for Thanksgiving week. They found the week's sales highly satisfactory.

Plant Notes.

The Southern Pacific Railway has an exhibit at the Land Show among the chief attractions of which is the collection of plants and cut flowers by the MacRorie-McLaren Co. of San Francisco.

It is unusual to see so many azaleas in bloom so early in the season. Many of the store windows have the appearance of the holiday season. One of the Chicago growers has several hundred plants in full bloom and has not tried in any way to hurry them, the buds on the Belgium stock maturing this season naturally earlier than usual. The stock is mostly of the Simon Mardner variety.

J. McHutchison, of McHutchison & Co., New York, spent considerable time calling on the growers last week and seeing that their last stock was all up to grade. This is a practice much appreciated by his patrons and does much to build up that confidence so necessary to the firm that sells stock far in advance. Milton Moss, of the Huntsville Wholesale Nurseries, arrived Sunday and will call on the trade in behalf of his firm.

Agents now taking advance orders for azaleas for next year's importation state that stock will be scarce and

higher in consequence. This very condition was predicted in an editorial in HORTICULTURE several months ago. Palms and bay trees are quoted to purchasers for next year at a slightly reduced price and agents report an abundance of this stock. This week practically finishes up the stock of chrysanthemum plants, especially of the large varieties. Quite a number of the late pompons are still to be had and make fine stock for window displays.

Personal.

Our sick:—John Risch, who has been ill with typhoid fever, at St. Francis' Hospital, Evanston, for the past five weeks was able to go home Sunday.—Paul Blom is gradually recovering from a severe illness and hopes to be at his store again in a short time.—One old-time florist, Joseph Klimmer, is not getting well as rapidly as his friends desire. Joe is a favorite and is sorely missed.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston.—Thos. F. Galvin, 124 Tremont St.
Boston.—Edward MacMulkin, 194 Boylston St.
Boston.—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago.—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York.—David Clarke's Sons, 2139-2141 Broadway.
New York.—Alex. McConnell, 571 5th Ave.
New York.—Wm. H. Long, 412 Columbus Ave.
New York.—Young & Nugent, 42 W. 28th.
New York.—Dards, N. E. cor. 44th St. and Madison Ave.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEWS NOTES.

Rowayton, Conn.—George H. Morris, formerly in business here, has taken a position in Ridgefield, Conn.

Niagara Falls, Ont.—Charles Milburn has accepted a position as gardener and florist at Hill Crest Farm, Falls Church, Va. He was formerly gardener at Clifton House.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665

1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2 Night 44-3.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

BEAUTIES — KILLARNEY — RICHMOND

In this line we can offer you good value, particularly in the top grades. You should see them, if you have not already done so. Buyers will see in this stock a good opportunity for successfully expanding their volume of business.

CARNATION ROOTED CUTTINGS

Alma Ward, \$7.00 per 100, \$60.00 per 1000.

Mrs. C. W. Ward, \$6.00 per 100, \$50.00 per 1000.

Send for descriptive list.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

**WHOLESALE
FLORIST**

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

**Wholesalers of Cut Flowers and
Florists' Supplies**

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

**To Cut Flower Growers and
Retail Florists****IF YOU**

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 29		Nov. 29		Nov. 29		Dec. 1	
ROSES								
Am. Beauty, Fancy and Special...	30.00	to 35.00	28.00	to 35.00	25.00	to 35.00	30.00	to 40.00
" Extra.....	25.00	to 30.00	20.00	to 25.00	15.00	to 20.00	15.00	to 25.00
" No. 1.....	15.00	to 20.00	10.00	to 20.00	10.00	to 12.50	10.00	to 12.00
" Lower grades.....	5.00	to 10.00	5.00	to 10.00	5.00	to 8.00	4.00	to 6.00
Bride, 'Maid, F. & S.....	6.00	to 8.00	4.00	to 6.00	5.00	to 8.00	4.00	to 8.00
" Lower grades.....	2.00	to 5.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan, & Sp....	6.00	to 10.00	6.00	to 8.00	8.00	to 12.00	6.00	to 16.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00
Maryland, Chateauf, Fan, and Sp....	6.00	to 10.00	6.00	to 8.00	8.00	to 12.00	4.00	to 10.00
" Lower grades.....	3.00	to 5.00	4.00	to 5.00	3.00	to 5.00	2.00	to 3.00
CARNATIONS, First Quality..								
" Ordinary.....	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00
" Ordinary.....	1.50	to 3.00	2.00	to 3.00	.....	to 2.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	60.00	to 75.00	60.00	to 75.00	60.00	to 75.00	50.00	to 60.00
Lillies, Longiflorum.....	.....	to 12.00	12.50	to 15.00	12.00	to	8.00	to 12.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00
Violets.....	.75	to 1.50	.75	to 1.25	1.00	to 1.50	1.00	to 1.25
Chrysanthemums.....	10.00	to 25.00	15.00	to 25.00	10.00	to 25.00	16.00	to 25.00
Daisies.....	1.00	to 1.50	.....	to .....	.....	to .....	.....	to 1.00
Snapdragon.....	.....	to .....	.....	to	5.00	to 8.00	10.00	to 12.00
Sweet Peas.....	.75	to 1.00	.....	to 1.00	.....	to	50	to .75
Gardenias.....	25.00	to 50.00	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.25
Smilax.....	12.00	to 15.00	12.00	to 15.00	12.00	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	60.00	to 75.00	60.00	to 70.00	35.00	to 50.00	.....	to 50.00
" " " & Spreu. (100 bchs.)	35.00	to 50.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO., 15 PROVINCE STREET, BOSTON, MASS.
9 CHAPMAN PLACE,

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... **WHOLESALE CUT FLOWERS**
GROWER of

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. **Cut Flowers** **ALWAYS GOOD, FRESH STOCK**

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers Bring in Your Orders **Roses and Carnations Our Specialty**

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

**KRICK'S FLORIST NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply House

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons

HOLLY. Single case, \$5.00. Two cases, \$9.00. Five or more cases . . . \$4.00 a case

MISTLETOE. Extra fine, berried. Very fine. Per lb., 35c; in 10 lb. lots, 30c per lb.; 25 lb. lots, 25c per lb.

BOXWOOD. 15c per lb. in case lots of 50 pounds. Each case contains full 50 lbs.; usually the case weight is included and you pay Boxwood value for old lumber. Watch out.

VELVET POINSETTIAS. We hold the agency for New England for Anderson's Velvet Poinsettias. Price with leaves and long stems, \$2.50 per dozen. With short stem and no leaves, \$1.75 per dozen. Per gross, with leaves, \$27.00; without leaves, \$21.00.

HOLLY WREATHS. Per 100 . . . \$12.00 to \$15.00

LAUREL WREATHS. 12 in. Frames . . . \$18.00 per 100

LAUREL ROPING . . . 5c per yard **HARDY FERNS,** best quality ever offered . . . \$1.25 per 1000

GALAX, \$7.50 per case of 10,000; per 1000 . . . \$1.00 **PRINCESS PINE** . . . 8c per lb.

PARTRIDGE BERRIES and GLOBES. CHRISTMAS BELLS.

SEND FOR QUOTATIONS ON ANYTHING YOU NEED NOW OR FOR THE HOLIDAYS

N. F. MCCARTHY & CO.

WHOLESALE FLORISTS

TEL. MAIN 5973
and 5974

84 Hawley St., Boston

Flower Market Reports.

BOSTON Thanksgiving Day trade was all that could be desired. All good material was nicely cleaned up at gratifying figures and the prices prevalent for the holiday were well maintained until Wednesday of the present week when, under the influence of warmer weather and a slackened demand, there were evidences of weakness. At the present time, however, colder weather prevails all over the country and there does not appear to be any danger of a slump in the interim between now and Christmas. Roses are somewhat scarce. American Beauty has to be pretty nice trim stock to command the top price and sells better in the medium grades. Violets have been in short supply for some time and still continue so. Carnations are slightly weaker than they were a week ago, but chrysanthemums are rapidly waning and the carnation men need have no anxiety, especially as many growers are "off crop" and liable to remain so for an indefinite period owing to the precocity of the early crop. The quality of the blooms is excellent, as a rule.

For the past two weeks **BUFFALO** the market has shaped itself in good form and trade was on the upward course. Cloudy weather for five weeks shortened the supply all along the line, though enough stock was had to fill all orders. The demand for carnations exceeded the supply and a good many orders were filled with other material. Chrysanthemums were the main factor

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Nov. 29	DETROIT Nov. 29	BUFFALO Nov. 29	PITTSBURG Nov. 29
Am. Beauty, Fan, and Sp.	15.00 to 25.00	35.00 to 50.00	25.00 to 35.00	35.00 to 50.00
“ Extra	8.00 to 12.00	20.00 to 30.00	20.00 to 25.00	20.00 to 30.00
“ No. 1	6.00 to 8.00	15.00 to 20.00	10.00 to 12.00	15.00 to 18.00
“ Lower grades	3.00 to 6.00	4.00 to 12.00	4.00 to 7.00	6.00 to 10.00
Bride, "Maid, F. & S.	6.00 to 10.00	8.00 to 12.00	8.00 to 10.00	6.00 to 8.00
“ Low. gr.	3.00 to 5.00	4.00 to 8.00	4.00 to 6.00	6.00 to 4.00
Killarney, Richmond, Fan. & Sp.	6.00 to 8.00	8.00 to 12.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades	3.00 to 5.00	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Maryland, Chateau, Fan. and Sp.	6.00 to 8.00	6.00 to 10.00	8.00 to 10.00	..... to 8.00
“ Lower grades	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00
“ Ordinary	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	..... to 50.00	75.00 to 85.00	75.00 to 90.00
Lilies, Longiflorum	8.00 to 10.00	..... to 15.00	12.00 to 15.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
Violets .....	.50 to 1.00	1.00 to 1.50	1.00 to 1.25	..... to 1.50
Chrysanthemums	8.00 to 25.00	4.00 to 25.00	8.00 to 25.00	10.00 to 30.00
Snapdragon	4.00 to 6.00	6.00 to 8.00	2.00 to 5.00	..... to
Sweet Peas .....	.75 to 1.00	..... to 1.00	.50 to .75	..... to
Gardenias .....	..... to .....	..... to 30.00	50.00 to 60.00	..... to
Adiantum .....	..... to 1.00	.75 to 1.50	.75 to 1.00	1.00 to 1.50
Smilax	12.00 to 15.00	..... to 15.00	10.00 to 12.00	..... to 15.00
Asparagus Plumosus, strings (100) .....	..... to 35.00	20.00 to 30.00	50.00 to 60.00	30.00 to 50.00
“ “ & Spreng. (100 bchs.) .....	..... to 25.00	20.00 to 30.00	25.00 to 50.00	30.00 to 50.00

and a good lot was received, though the medium quality were more in demand. Some choice Maud Dean in pink and white were had, also some excellent Golden Wedding, white and yellow Chadwick, Bonnaffon, etc., and all moved satisfactorily. All roses have been good and prices were satisfactory. The demand for Beauties was light, caused by the sharp advance in price. Violets were scarce a few days previous to the 24th, but on Thanksgiving Day there were enough to fill all orders. Lily of the valley sold well, also Roman hyacinths, narcissi, stevia, peas, orchids and gardenias. Green goods sell well. Holly has made its appearance and the demand is growing daily.

CHICAGO Thanksgiving week was an exceptionally good one. The only thing to be desired was a larger supply of flowers, particularly in the medium grades. Advance shipping orders took all the available stock early in the week and left the home trade only the daily cut, and it was a case of the early bird getting the worm. Many of the dealers, both wholesale and retail, could have sold many more flowers could they have bought them, and it is generally conceded to have been the best Thanksgiving trade has known in years. The chrysanthemums were still at their best and all sizes sold equally well. The demand for

(Continued on page 787)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert C. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO - N. Y.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone-3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 755 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS

Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.

J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 26 1910		First Half of Week beginning Nov. 28 1910	
American Beauty, Fancy and Special.....	35.00	to 50.00	25.00	to 35.00
" " Extra.....	20.00	to 30.00	15.00	to 20.00
" " No. 1.....	10.00	to 15.00	8.00	to 12.00
" " Lower Grades.....	4.00	to 6.00	3.00	to 6.00
Bride, 'Maid, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fancy and Special.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland, Chateauf, Fancy and Special.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Carnations, First Quality.....	4.00	to 5.00	4.00	to 5.00
" " Ordinary.....	2.00	to 3.00	2.00	to 3.00

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones {1664 { Madison Square
 1665

CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 778 and 779 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

*Phone 2336-3357 Mad Sq. Greenhouses: Forest Hill, N. J.
KESSLER BROS.
WHOLESALE PLANTSMEN AND FLORISTS
136-138 West 28th Street, NEW YORK

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.
J. L. BANNER, MONTEZUMA
N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

BUY
**BOSTON
FLOWERS**
N. F. MCCARTHY & CO.,
84 Hawley St.
**BOSTON'S BEST
HOUSE**

MICHIGAN CUT FLOWER
EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4501 Main

Flower Market Reports

(Continued from page 785)

the pompons is steadily growing and quantities were sold during the week. Growers who had not sold all their stock of potted pompons found it profitable to cut them. Carnations brought four cents for standard grades and five and six for fancy. There was plenty of demand for Beauties and other roses and nothing was left each night. The quality of all stock was excellent and the retailers say there was little difficulty in getting their price. Violets were not always as good as could be desired, owing to the mild weather, and orchids were wholly unequal to the demand. One of the very scarce items last week was the cattleya. It was interesting to see the excitement that the arrival of a small box would create among the wholesalers. Prices kept pretty steadily at one dollar each even for very light shades. Bouvardia of excellent quality is in the market, but the supply is limited. John Kruchten's in the Atlas Block is one of the few places where it is most likely to be found.

The Thanksgiving market was satisfactory in every way. The volume of business was larger and prices averaged better for this holiday than in the past few years. Chrysanthemums continued the leading factor of the market. The supply of large blooms was sufficient for all requirements. The largest demand was for the small and medium-sized blooms, especially yellow Bonnaffon that could be sold for from \$4.00 to \$8.00 per hundred, of which there was a decided shortage. The current week will about wind up the chrysanthemum season with the exception of a few of the very late varieties which will hang on until very near the Christmas holidays. Beauties were in good demand, with enough to go around. White roses were received in goodly numbers and sales on these were generally satisfactory. The market on all pink sorts was just the reverse, receipts being very light and this coupled with numerous weddings, made the demand far in excess of the supply. The call for Richmond was also heavy and a good many orders had to be turned down. The feature of the market the past week was the shortage of carnations, due partly to a good many of the growers being off crop, partly to the extra heavy demand, both locally and out of town. Lily of the valley cleaned up nicely up to Thanksgiving, but Friday and

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 26 1910		First Half of Week beginning Nov. 28 1910	
Cattleyas.....	75.00	to 100.00	75.00	to 100.00
Lilies, Longiflorum.....	6.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 4.00	2.00	to 4.00
Violets.....	.75	to 1.25	.50	to .75
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Chrysanthemums.....	5.00	to 35.00	5.00	to 35.00
Sweet Peas.....	.75	to 1.00	.75	to 1.00
Gardenias.....	15.00	to 35.00	15.00	to 35.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 35.00	20.00	to 30.00
" " & Spren. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

Saturday found it moving slowly. Callas are increasing in numbers and sell readily as do Longiflorum lilies. Paper white narcissus and sweet peas are received in limited quantities. Violets are increasing in popularity and more could be sold. Green goods in good supply and demand.

Thanksgiving trade was very evenly divided, all florists reporting as much and more than a year ago. Somewhat different was the effect on the flowers offered. Chrysanthemums proved themselves the favorites more than ever before; especially were pompons and "Button" varieties much in demand for table decorations. Roses and carnations, while in good quality as well as quantity, sold slowly and did not respond to the increase in prices. Violets fell off in demand very perceptibly.

NEW YORK Chrysanthemums figured largely in the Thanksgiving business, the demand running to colors—yellow leading. The supply of good blooms appeared to be greater than the year previous and prices a shade better. There were more white than anything else, for which there was only an ordinary call. In the rose line Beauties were plentiful. Special grades did not go so well as the shorter sizes and a considerable number were carried over. Killarney, Chatenay, Maryland and Richmond were only in moderate supply and did very well as the disposition to ask advanced prices was not manifest. Although the carnation cut was lighter than usual at this time of the year, they did not go with a snap on Wednesday. On Monday and Tuesday not enough were received to go around. The same remark applied to violets—larger shipments Wednesday evening than the market could absorb. Cattleyas were scarce. Gardenias fairly plentiful. Cypripediums are in but do not find ready sale. After the Wednesday morning trade was

over, very little in the way of business developed during the afternoon and Thursday morning except for yellow chrysanthemums. Friday's trade was quiet but Saturday the market was good. The present week opened with a fair demand, but was very quiet on Tuesday and Wednesday. The rose supply is on the increase, and all stock moves slowly.

(Continued on page 792)

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.
66 PEARL ST., BOSTON
N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprenger, 3 in., 4c.; 4 in.,
8c. Strong, bushy stock. Luther May-
nard, R. 13, Knoxville, Tenn.
Asparagus Sprenger, strong, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

ASTERS

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

REX BEGONIAS

My specialty. Largest collection, \$5.00 per
100, \$15.00 per 1000; 250 at 1000 rate.
B. C. BLAKE,
Springfield, Ohio, Lox Box 817.

BERRIED PLANTS

Black and redberry bushes, 10c. ea.; \$6.00
per 100. Cash please. Anton Cioban, Vir-
den, Ill.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham,
1133 Broadway, N. Y.

BOILERS—Continued

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BOXWOOD SPRAYS

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron
Frame or Truss Houses. Hot Bed Sash
and Frames. Lord & Burnham Co., 1133
Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
French and Dutch Bulbs.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand

For page see List of Advertisers.

"Buds," New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
White French Romans.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.

For page see List of Advertisers.

* F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.

For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

Wanted: Lily and Hyacinth Bulbs in
large or small lots. Emilynn Nurseries,
43 Whiting St., Lynn, Mass.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CANNAS

BEST CANNAS IN THE WORLD.
Send for our new lists of latest and best
55 kinds. Stock excellent, prices right.
Conard & Jones Co., West Grove, Pa.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CELOSIA

Julius Roehrs Co., Rutherford, N. J.
"Pride of Castle Gould."

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
Chrysanthemum Novelties.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.

For page see List of Advertisers.
J. F. Erickson, Swampscott, Mass.

Stock Plants.

Chrysanthemum stock plants. Early
Snow, Golden Glow, Monrovia, Money-
maker. Will sell or exchange for stocks,
snapdragon, primulas, cinerarias, cyclamen
or poinsettias. S. B. Hoyt, New Canaan,
Conn.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CHRYSANTHEMUM STOCK PLANTS,
all ready now. OCTOBER FROST, GOLD-
EN GLOW, ROSIERE, MONROVIA, \$3.00
per 100; \$20.00 per 1000 assorted. POEHL-
MANN, GOLDEN EAGLE, CHADWICK
and YANOMA \$4.00 per 100; \$30.00 per 1000.
PRES. TAFT, white, MRS. W. E. KEL-
LEY, yellow, both novelties last year, \$5.00
per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early
Snow, Polly Rose, Kalb, Touse, Poehl-
mann, Eaton, Nonin, Baby Margaret, Pa-
cific Supreme, Gloria, Liger, Duckham, M.
F. Plant, Maud Dean, Leo (Pink Pompon),
Shrimpton, Cullingfordil, Golden Glow,
Monrovia, Georgianna Pitcher, Yellow
Eaton, Col. Appleton, Golden Wedding,
etc., \$4.00 per 100; Pres. Taft, Golden King,
Mrs. Kelley, 75c. per doz, \$6.00 per 100;
Mrs. Wm. Wincott (White) and Mrs. Wm.
Peacock (Pink), 1910 Novelties, \$2.00 per
doz. Stafford Floral Co., Stafford Springs,
Conn.

CINERARIAS

Cinerarias, large flowering dwarf, the
finest shades, 3 inch, \$3.50 per 100; 2 inch,
\$2.00 per 100. Cash. J. W. Miller, Shire-
manstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 793

COCOS WEDDELIANA

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whitton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—"Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ. Winterich, Cyclamen Specialist, Defance, Ohio.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlia—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlia, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

FERNS—Continued

* Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

R. G. Hanford, Norwalk, Conn.

Holly Ferns and Jardinere Ferns.

H. LePage, Stamford, Conn.

Table Ferns.

For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitmanii, 2¼-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2¼-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

Frame grown Boston Ferns ready for delivery. Good 5-in., 15c. ea.; \$10.00 per 100. Anton Cioban, Virden, Ill.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2 in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecadre, Mesnay, Vasseur, Ornella, Oberle, Wyzewa, \$2.00 per 100, \$18.50 per 1000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3.00 per 100, \$25.00 per 1000. Pelargonium, Mad Loyal, \$5.00 per 100. Cash with order. Write for Geranium catalogue. A. D. Root, Wooster, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

SURPLUS STOCK of choice named gladioli. Bulbs and bulbets of magnificent novelties and standard sorts. Also choice hybrid seed. L. Merton Gage, Orange, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standarn Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

In writing to Advertisers kindly mention Horticulture

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. Auburndale Goldfish Co., 920 Randolph St., Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda,
N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope, rooted cuttings, 100 prepaid
75c. Chas. Frost, Kenilworth, N. J.

HOLLY

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 4
in., \$5.00 per 100; 3 in., \$5.00 per 100, cash.
F. Sokol, College St., Worcester, Mass.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R.
C., \$1.00 per 100. Sunnyside Greenhouses,
Barberton, Ohio.

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.

Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.

For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-in Products.

For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.

For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Ivy, rooted cuttings, 100 prepaid, Eng-
lish, \$1.00; German, 50c. Chas. Frost,
Kenilworth, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.

For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded
with berries. They are beauties and have
plenty of them. 4 in., \$15.00 per 100, cash.
F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24
in. high, 5 in., \$50.00 per 100, cash. F.
Sokol, Worcester, Mass.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass., Dept. 8.

For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 pre-
paid 75c. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

**LILIUM MULTIFLORUM AND
GIGANTEUM**

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.

For page see List of Advertisers.

LILY OF THE VALLEY

Arthur T. Boddington, New York, N. Y.
Cold Storage.

For page see List of Advertisers.

J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.

For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

For page see List of Advertisers.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

For page see List of Advertisers.

The F. E. Conine Nursery Co.,
Stratford, Conn.

Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.

Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grower Stock.
For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.

For page see List of Advertisers.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.

For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.
For page see List of Advertisers.

Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

John DeBuck, New York, N. Y.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 793

ORCHID PLANTS — Continued

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2,000 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.

For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmeiske, 72 Court St., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.

For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trellises. H. D. Seale & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

20,000 Primrose Obconica, Chinese and Kewensis. Extra fine plants, 3 inch., \$4.00 per 100. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.

Hardy and Forcing Varieties.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.

For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.

For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.

Blue Rambler Rose.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.

New Irish Forcing Rose, "Melody."

We want quotations from those who can supply large quantities of Baby Rambler roses in all three colors, red, white and pink; thrifty 1-year-old outdoor grown plants, not necessarily large, but with good roots, something sure to grow; would not want heavy plants as they must be mailed by us. Who can quote close prices on large quantities? Henry Field Seed Co., Shenandoah, Iowa.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.

For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.

For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Giganteum Seed.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snappdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snappdragon, rooted cuttings, white, light pink, rose pink, \$2.00 per 100; \$18.00 per 1000. Adolph E. E. Koch, Nobscoot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum Moss per bale 75 cents, 10 bales \$6.50. Cash with order. Chas. F. Uecke, New London, Wis.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS**VIOLET BLOOMS.**

Marie Louise Violet blooms, good stem and color, \$1.00 per 100. Cash with order, please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.

Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS—**New York—Continued**

Frank Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.**BEAUTY, KILLARNEY AND RICHMOND ROSES.**

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

BEST PALMS.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

CHRISTMAS GREENS, FLOWERS AND SUPPLIES.

Welch Bros., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS GREENS, FLOWERS AND SUPPLIES.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS POT PLANTS.

Peirce Bros., Waltham, Mass.
For page see List of Advertisers.

CHRYSANTHEMUMS AND ASTERS.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

HOLIDAY FERNS.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

IRIS, SYRINGA, LILIES, MADEIRA AND CINNAMON VINES, BULBS, ETC.

E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

POPULARITY.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed**Flower Market Reports.***(Continued from page 787)*

As predicted in our
PHILADELPHIA last week's report,
Thanksgiving

week business was up to the average and a little over. Two elements helped to this gratifying final. First, the usual Cornell-Pennsylvania football game; second, the Army-Navy football game, with all their attendant social functions—the one on Thursday, the other on Saturday. Few outsiders can realize what two such events mean to the social life of a big metropolis like Philadelphia. When wealth and fashion get stirred up to an exciting point, then comes the demand for the incarnation of the beautiful sentiments that can only be expressed by flowers. No other outlet is possible to fittingly incense power and pride, and so it was a great inning for the flower business here. We did not have the Army-Navy game last year and the loss was keenly felt on that occasion. We had it—and Cornell also—this year, and we are happy. Of course, back of all this was the usual Thanksgiving flower business incident to the life of any American community. All these things—taken together—made the market one of the most satisfying we can remember in many years. There were no exorbitant prices on any line, although figures kept high and firm, and that is one of the best features of a splendid market, as it leaves no grouching behind in the minds of our customers. There was a splendid supply of fine stock, a splendid demand for same, and prices corresponded. What more could the most optimistic or pessimistic desire. We were going to speak of some things being scarce, but we suddenly remember that Arthur Niessen says there is no such thing as scarcity. Plenty of everything—only too much demand. And, say we, per contra there can be no such thing as glut. There is no glut—only lack of demand. It is now Arthur's turn to elucidate further the fine points of his proposition.

The flower season

WASHINGTON is regularly on in
Washington. A 11

prices advanced on Thanksgiving Day and along some lines the supply fell far short of the demand. Especially was this true of violets, which were in request for the Army and Navy football game. The consignments were not up to the orders and some of them were fully twelve hours late, thanks to the express facilities (?). There was also a marked scarcity in lily of the valley and it easily commanded the top market figure. Chrysanthemums led in general favor, especially white and yellow ones. Good Beauties moved easily at \$5.00 per dozen, wholesale. There was also a good demand for Bride, Killarney, Richmond and My Maryland—these chiefly for dinner parties. Already there is a touch of Christmas evident; the street fakirs are hawking red berries of any and every available kind, as well as laurel, pine and running cedar.

List of Advertisers

Page	Page
Advance, The Co. 795	Home Corresp. School 793
Allen, J. K. 786	Horan, E. C. 786
American Nursery 775	Hunt, E. H. 778
Apphine Mfg. Co. 776	Intern'tl Floral Association 782
Aschmann, G. 777	Kasting, W. F. 786
Badgley, Reldel & Meyer 786	Kentucky Tobacco Product Co. 778
Banner, J. L. 787	Kervan Co. 787
Barnard, W. W. Co. 781	Kessler Bros. 786
Barrows & Son 777	King Cons. Co. 795
Bayersdorfer, H. & Co. 783	Krick, W. C. 784
Bay State Nursery series 764	Kroeschell Bros. Co. 795
Beaven, E. A. 787	Kuebler, W. H. 787
Bloomington Bros. 763	Lager & Hurrell 777
Bobbink & Atkins 764	Langjahr, A. H. 786
Boddington, A. T. 774	Lawrence, H. V. 782
Boligiano, J. & Son 781	Leonard Seed Co. 781
Boston Florist Letter Co. 787	LePage, H. 783
Boston Plate & Window Glass Co. 794	Leuthy, A. & Co. 777
Braslan Seed Co. 781	Long, W. H. 782
Breck, J. & Son 781	Lord & Burnham Co. 796
Breitmeyer's, J. Sons 782	MacMulkin, E. 782
Bridgeman's Seed Warehouse 781	Matthews 782
Budlong, J. A. 784	Metropolitan Material Co. 795
"Buds" 781	McCarthy, N. F. & Co. 785-787
Buffalo Land Security Co. 793	McConnell, Alex. 782
Burpee, W. A. & Co. 781	McCray Refrigerator Co. 783
Buxton, Doane Co. 795	McCullough's, J. M. Sons Co. 784
Carrillo & Baldwin 777	McHutchison & Co. 763
Chicago Carnation Co. 763	McKellar, C. W. 784
Childs, John Lewis 776	McManus, Jas. 786
Clarke's, D. Sons 782	Miami Valley Seed Co. 781
Conine, F. E. 764	Michell, H. F. Co. 780
Cowee, W. J. 784	Michigan Cut Flower Ex. 787
Craig, Robt. Co. 764	Millang, A. 786
Crawback, G. W. 786	Millang, Chas. 786
Dards 782	Millang, F. 786
Dawson, H. S. 764	Miller, E. S. 763
DeBuck, John 777	Moltz, A. & Co. 786
Dingee & Conard Co. 764	Moninger, J. C. Co. 795
Dodd, Chas. H. 795	Moore, Hentz & Nash 786
Dorner & Sons Co. 763	Morse, C. C. & Co. 781
Dreer, H. A. 777-794-795	Murray, Samuel 782
Dysart, R. J. 793	N. E. Nurseries 764
Dunlop, John H. 782	Nicotine Mfg. Co. 778
Eastern Nurseries 764	Niessen, Leo Co. 784
Edwards Folding Box Co. 784	Oechslein, Frank 763
Ellwanger & Barry 779	Ordonez Bros. 777
Elliott's, W. Sons 780	Ouwertkerke, P. 764
Esler, J. G. 795	Palethrope, P. R. Co. 778
Ernest, W. H. 794	Palmer, W. J. & Son 782
Eyres 782	Park Floral Co. 782
Farquhar, R. & J. & Co. 764	Parshelsky Bros. 794
Foley Mfg. Co. 795	Peacock Dahlia Farms 779
Ford, M. C. 786	Pennock-Meehan Co. 773
Ford, W. P. 786	Perkins St. Nursery series 777
Fottler, Fiske, Rawson Co. 781	Peters & Reed Co. 794
Froment, H. E. 786	Pierce Bros. 774
Galvin, Thos. F. 783	Pierson, F. R. Co. 776
Gloeckner, Carl R. 781	Pierson, A. N. 763
Greater N. Y. Florists' Asso. 786	Pierson U-Bar Co. 796
Grey, T. J. Co. 781	Plant Food Co. 778
Gude Bros. Co. 782	20th Century 778
Hail Association 795	Poehlmann Bros. 784
Hart, Geo. B. 784	Pratt, E. G. 778
Hartman, Hjalmar 781	Pulverized Manure Co. 778
Heacock, Jos. 763	Reed & Keller 787
Herbert 764	Reinberg, Peter 784
Hews, A. H. & Co. 794	Rice Bros. 784
Hillinger Bros. 794	Rice, M. & Co. 762
Hill, The E. G. Co. 763	Richardson Bros. 781
Hitchings & Co. 796	Robinson & Co. 784
Hoerber Bros. 784	Rock, Wm. L. 782
Hollywood Gardens 783	Roehrs, Julius Co. 777
	Roland, Thos. 763
	Rolker, A. & Sons 794
	Sander & Son 777
	Schultz, Jacob 782
	Scott, John 763
	Sharp, Partridge Co. 794

Page	Page
Sheridan, W. F. 786	Thurlow's, T. C. Sons, Inc. 764
Siggers & Siggers 795	Traendly & Schenck 786
Skidelsky & Irwin 781	Trepel, C. C. 763
Slinn, B. S., Jr. 786	Valentine, J. A. 782
Smith, E. D. & Co. 762	Vicks, Jas. Sons 781
Smith, P. J. 786	Vincent, R., Jr., & Sons 763
Smith, W. & T. Co. 764	Wadsworth, B. E. 777
Smyth, Wm. J. 782	Wants, For Sale 793
Standard Plate Glass Co. 794	Ward, R. M. & Co. 779
Stearns, A. T. Lumber Co. 795	Waterer, John & Sons 775
Stoothoff, H. A. Co. 778	Welch Bros. 772-784
Stumpp & Walter Co. 778	Wilson 782
Syracuse Pottery Co. 794	Wood Bros. 763
Tailby 783	Woodruff, S. D. 781
Thorburn, J. M. & Co. 779-781	Yokohama Nursery series 764
Totty, Chas. H. 775	Young, A. L. 786
	Young & Nugent 782
	Zinn, J. A. 783

SAVINGS INVESTED IN REALTY

It pays better than a bank account. Well selected realty investments make enormous returns. It is the safest and most productive form of investment.

On Dec. 1st to introduce ourselves, we will offer 1000 building lots. This property is situated only thirty minutes ride by trolley car from the business center of the City. We predict that these lots will increase 500 per cent. within three years. Buffalo has practically no vacant houses and a population of 450,000. Extension is the order of the day and with extension, values will increase wonderfully. The starting price will be \$75.00 and upward, depending on location. Payments \$25.00 cash, per lot, balance in thirty-six equal installments. The majority of lots face on street car line. The most outlying within five minutes walk. The property is already improved, cement walks, sewerage, water works, gas main and electric light service. Price of lots will advance Jan. 1st. Get in now and reap the benefits. By depositing \$10.00 per lot, before Dec. 1st, we allow a credit of 10 per cent. on your purchase. Satisfaction is guaranteed or your money refunded. Title to each lot purchased will be conveyed to Trust Company to be delivered when payments are completed. If you die before your complete payments, a clear title is made to your heirs, at no further cost. This is better than Life Insurance.

We want agents in your locality. Send us the names and addresses of neighbors who you think may be interested. Do it now.

Enormous profits are being made by others. Join before it is too late. This is one of the best Realty investments ever offered. Write for further particulars.

BUFFALO LAND SECURITY CO.
395 Ellicott Sq. Bldg., Buffalo, N. Y.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day
The Home Correspondence School
Dept. H, Springfield, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

FOR SALE

FINE FLOWER STORE AND PROFITABLE BUSINESS, established quarter century, in large city in Maine. First class equipment throughout. Extensive local and shipping trade.

For particulars address

AFFLUENCE, care HORTICULTURE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **PARSHELSKY BROTHERS, INC.**, 59 Montrose, Ave., Brooklyn, N. Y.

HELP WANTED

WANTED.

Orchid Grower—Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address Louis Burk, Girard Ave. and Third St., Philadelphia, Pa.

WANTED—Good night man to fire two boilers, place of 12,000 sq. ft. glass; pack, grade and make himself in all ways useful at night. A good chance for a willing and capable man. Wages \$50 to begin; heat, light, room; advanced as proves capable. Address W., care HORTICULTURE.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

SITUATIONS WANTED

By German, 30, married, as foreman or assistant, 15 years experience in roses, carnations, violets, ferns, general stock, shrubs, perennials. Design work a specialty. Honest, sober, steady worker. State wages and full particulars in first letter. Best reference. Address A. W., care HORTICULTURE.

COMPETENT GARDENER seeks position in charge of private estate. German, wife and one daughter. Capable of taking charge indoors and out. Industrious, sober, well recommended. Address, F. B., care HORTICULTURE, Boston.

SITUATION WANTED—By German, 37, 23 years' practical experience; good grower of Carnations, Roses, Mums, Violets, Easter and Spring stock. Address, stating wages, S. Z., care of Haulon, 187 East Main St., Waterbury, Conn.

SITUATION WANTED after Dec. 1st, gardener or florist; Swiss, speaks little English; two months in America, 6 years' experience in old country. Best references. S., care HORTICULTURE.

SITUATION WANTED—By American on private place, 25 years of age, single, 10 years' experience. Address J. E. Baumgartner, 397 W. Clinton St., Haledon, N. J.

MISCELLANEOUS

WANTED—A few hundred Burbank Roses, two-year plants. William Plumb, South Natick, Mass.

WANTED A large size Wilks' boiler; must be in good condition. E. S. Easterday, Nokomis, Ill.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

89 Montrose Ave., BROOKLYN, N. Y.

DREER'S

Florist Specialties
KEYSTONE CEDAR
PLANT TUBS



	Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00	
B 12 1/4 "	.75	8.25	65.00	
C 13 1/4 "	.85	9.35	75.00	
D 14 1/4 "	1.00	11.00	90.00	
E 15 1/4 "	1.25	13.75	110.00	
F 16 1/4 "	1.50	16.50	130.00	

Three largest sizes have
handles.

Special PAIL TUB
8 inches, .30 3.50 28.00
11 " .30 3.50 28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

NEWS NOTES.

Montreal, P. Q.—Alex. Wilky, formerly foreman for Hall & Robinson, has gone to Boston to accept a position.

New York, N. Y.—The wholesale firm of John Seligman Co., 56 West 26th street, has been succeeded by Jos. Levy.

New York, N. Y.—J. J. Perkins will move from 115 West 30th street to 117 West 28th street the first of December.

Wichita, Kans.—Dugan & Cain have entered into partnership with George Bixby and will use the building material, stock, etc., they purchased from the Fairview Greenhouses to enlarge the Bixby plant.

Rosedale, Ind.—The glass and stock of the Rosedale Greenhouses has been purchased by S. R. Fisher, who will remove them to his property in the southwest part of the town. He will continue the business formerly owned by Jasper Mier, who is going to Arcadia, Fla.

New Orleans, La.—Charles Eble has just completed a new house which will be used for fancy ornamental stock.

Mrs. Carrie Rehm secured quite a good order for large ornamental stock to be used at the National Horticultural Congress at Council Bluffs, Iowa.

The nursery of the New Orleans Parking Commission of which Edward Baker is superintendent, located on reclaimed swamp land, has made great progress since planted some twelve months ago, and under Mr. Baker's skillful management will not

be long in supplying our city with all the stock required for municipal planting.

GREENHOUSES BUILDING AND CONTEMPLATED.

Taunton, Mass.—C. Macomber, one house.

Shelbyville, Ill.—E. M. Harwood, one house.

Providence, R. I.—A. M. Powell, two houses.

Waterbury, Conn.—A. A. Dallas, range of houses.

Mt. Vernon, Ia.—A. C. Cowen, house 36 x 100 feet.

Burlington, N. J.—Leon S. Anderson, house 10 x 27 feet.

Hammonton, N. J.—William Colwell, house 20 x 100 feet.

Beverly Farms, Mass.—Estate of Mrs. Leiter, two houses.

Newport, R. I.—August Belmont Estate, conservatory, 20x50.

Thompsonville, Conn.—Brainard Floral & Nursery Co., office and sales-room 15 x 50 feet.

INCORPORATED.

St. Louis, Mo.—Grimm & Gorley Floral and Jewelry Co.

Lowellville, Ohio.—R. J. Erskine & Son, capital stock \$15,000.

Providence, R. I.—Westminster Greenhouses, capital stock \$5,000.

Syracuse, N. Y.—W. E. Day Floral Co., capital stock \$15,000. William Day, Mary E. Day and Fred Banister incorporators.

Lincoln, Nebr.—Griswold Seed Co., capital stock \$200,000. Incorporators: W. B. Griswold, Frank L. Everts and H. G. Whitmore.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 " " " 5.25	244 6 in. pots in crate \$3.50
1500 2 1/2 " " " 6.00	120 7 " " " 4.30
1000 3 " " " 5.00	60 8 " " " 3.00
800 3 1/2 " " " 5.80	
500 4 " " " 4.40	HAND MADE
450 4 1/2 " " " 5.24	48 9 in. pots in crate \$3.60
320 5 " " " 4.51	46 10 " " " 4.80
200 5 1/2 " " " 3.78	24 11 " " " 3.60
	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N.Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.
Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE,
N. Y.



ALL THE CLAY
FOR OUR
Florist' Red Pots
is prepared by passing
through a screen 100 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO



ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H, illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn N. Y.

CHARLES H. DODD

Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

**Holds Glass
Firmly**

See the Point
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
N° 2



CYPRESS SASH BARS 32 feet or longer HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

ORDER NOW

TELEGRAPH AT OUR EXPENSE

KROESCHELL HOT WATER BOILERS

This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make

Send for catalogue



WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

KROESCHELL BROS. CO.

466 West Erie St., CHICAGO, ILL.

There are fashions in advertising

BUT ABOUT

GREENHOUSE CONSTRUCTION

WE WANT TO TELL YOU SIMPLY THE PLAIN UNVARNISHED TRUTH ABOUT KING GREENHOUSES AND GREENHOUSE MATERIAL.

WRITE FOR OUR BULLETINS AND THEY WILL TELL THE TALE.

KING CONSTRUCTION COMPANY

North Tonawanda, N. Y.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, Insurer of \$2,500,000
sq. ft. of glass. For particulars address

John C. Esler, Sec'y, Saddle River, N. J.



THERE are Times, You
Know, When Price is
Not the Only Factor
in Landing a Job

Every once in a while a man realizes that it's good business to **spend money to save money**. There is much to be said strongly in favor of a repair free house like these iron frame ones of ours are. Write to us.

Hitchings & Company
1170 BROADWAY NEW YORK

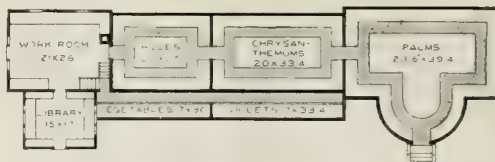


Plan 96

It is at Sewickley, Pa. near Pittsburgh.

The straight gabled, curvilinear palm house with its single curved bay and ornamental entrance is a decided break away from the general treatment.

For attractiveness, uniqueness and balance, we doubt if it can be beaten. Wouldn't you like to know all about it? Our new catalog will tell you.



Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the
extreme lightness, beauty and practicalness of
our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

VOL. 12

DECEMBER 10 1910

NO. 24

SIXTH
ANNIVERSARY



HOLIDAY
TRADE NUMBER

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

U KNOW US

LET'S KNOW U

YOU HAVE NOTICED

That we are Leaders in Advertising as well as Leaders in Florists' Supplies and Ribbons

Prepare for the Xmas rush which is **Sure to Come.**

We **Remind** you of some **Xmas Necessities** that you should stock up on. **Do it to-day.**

Red Xmas Ribbons — All grades.

Red Moire Crepe Paper — Red Water-proof Crepe Paper — Red Pleated Paper — Red Portorican Mats — Red Chiffon 4 and 6 inch **Water-proof.**

All of the above can also be ordered in **other colors** such as White, Pink, Nile and Moss Green, Lavender, Yellow and Blue.

Red Willow and Braid Pot Covers.

Red Plant and Cut Flower Baskets.

Red Maidenhair Ferns Velour Finish (new).

Red Cape Flowers, also White and all other colors.

Moss Wreaths — Ruscus Wreaths Green, Violet and Red.

Poinsettias in 3 sizes from \$4.50 per **gross** up. (144 pieces).

New Crop Statice. **Extra fine Magnolia Leaves.**

Beech Sprays in Brown and Green.

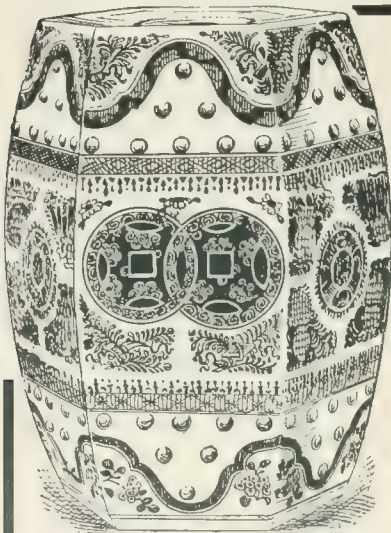
Brown Pin Oak Sprays.

The best of everything in florists' supplies and ribbons can be bought of us. Strong talk, but we have the goods and prices to back it up. Buy from the leaders. **KATALOG for the asking.**

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
PHILA., PA.

Manufacturers—Importers—Originators



Canton China Hall-Seat or Plant Pot Stand.

Plant Pots and Pedestals

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potters' art, to our importations of English, French, German, Japanese and Chinese **Plant Pots** or **Jardinieres**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150 each.

Dinner Ware. On the 3d and 4th floors will be found an **unequalled exhibit of Dinner Sets** all values from the inexpensive upwards. Superb designs of **Fish Sets** and **Game Sets.**

Our stock of China and Glass occupies ten floors and more than 9,000 bins including everything in this line pertaining to the **Home, Hotels, Clubs, Public Institutions, etc.**

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

Crockery, China and Glass Merchants

33 Franklin, cor. Hawley Sts., Boston, Mass.

CANTON CHINA PLANT-POT



SPECIAL

Some few specials that are not seen as frequently as they should be. We offer fine stock from 3 in. pots.

- GERANIUMS, Silver Leaf S. A. Nutt.
- GERANIUMS, Mountain of Snow.
- IVY GERANIUMS, Variegated L'Eleganta.
- VARIEGATED ROSE GERANIUMS, Lady Plymouth.
- COLEUS, Brilliancy.
- TRADESCANTIA, Zebrina Multicolor, 2 in.

GERANIUMS

500,000 ready for shipment, a good assortment of Ivy Leaved, Scented and standard varieties, from 2 in. pots.

at \$2.00 per 100, \$18.50 per 1000; from 3 in. pots, at \$3.00 per 100, \$25.00 per 1000.

SPECIAL COLLECTIONS, 1000, 50 each of 20 distinct kinds, every one a good one, from 2 in. pots; \$18.50. 3 in. for \$25.00. Cash.

	2 in. per 100	3 in. per 100
COLEUS, Golden Bedder, Verschaffeltii, and other kinds.....	\$2.00	\$3.00
LANTANAS, 10 varieties.....	2.00	3.00
HELIOTROPE, assorted.....	2.00	3.00
FUCHSIA, 6 kinds.....	2.00	3.00
SWAINSONA, Alba.....	2.00	3.00
LEMON VERBENAS.....	2.00	3.00
ALTERNANTHERA, 6 varieties.....	2.00	3.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

TO THE CHRYSANTHEMUM GROWER

A Few Facts May Be of Interest to Those Who Grow Chrysanthemums

We grow only Chrysanthemums and Asters and our success is largely due to the fact that these two interests have our undivided attention. Twenty-one years next March we sent out our first new Chrysanthemum and each successive year we have had a worthy collection to offer. We raise more seedlings from carefully hand hybridized seeds each year, than the combined interest of all other raisers in this country and possibly those abroad. Most of the commercial growers are aware we have supplied more meritorious novelties than any other introducer and our competitors are obliged to admit it. We submitted 14 seedlings to the Chrysanthemum Society's Committee and have been awarded 13 First Class Certificates, the largest number of certificates ever given by this Society to one raiser in a single season. What is most remarkable is the high average of the score, a slight fraction less than 89 points. We have decided to send out 11 or 12 next season, 5 of which belong to the exhibition section and the remainder will be included under commercial heading. These novelties cover a wide range of colors and are from the very largest to the beautiful light pink Pompon Minta. They also cover a flowering period of six months, July to January. Our new Peerless Aster (in white and light pink) is just as deserving of your consideration as the Chrysanthemums. They are unequalled by any kind known to the trade. Our new complete catalogue will be ready in January. Those desiring to place early orders will be furnished, upon request, complete description with prices.

* One late seedling to be submitted Dec. 3.

ELMER D. SMITH & CO., Adrian, Mich.

WASHINGTON

Dark Pink Sport of

ENCHANTRESS

DO not get this variety confused with the Lawson-Enchantress which we discarded some years ago. Washington-Enchantress differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best cerise or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

\$10 per 100; \$20 per 250; \$75 per 1000 C.O.D.

Chicago Carnation Co.

35-37 Randolph St., Chicago, Ill.

CYCLAMEN

Just right for Xmas at a low price; 3 in., \$8.00 per 100; 4 in., \$12.00 per 100; 5 in., \$20.00 and \$25.00 per 100, bud and bloom. Also Ferns, Asparagus pl. nan.

CONVERSE GREENHOUSES Webster, Mass.

GERANIUMS

ROOTED CUTTINGS Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

CARNATIONS

Fine healthy, field-grown.

	Per 100
400 Enchantress.....	@ \$8.00
100 Boston Market.....	@ 7.00
Patten and Queen.....	@ 7.00
Pres. Seelye.....	@ 6.00
300 Harlowarden.....	@ 6.00
Var. Lawson.....	@ 6.00

ROSES

Own root, fine stock, 3 inch pots.

	Per 100
Perle and Sunset.....	\$8.00
Bride, Bridesmaid, Golden Gate, Kaiserin.....	6.00

Wood Brothers

FISHKILL, N. Y.

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty

Madison, N. J.

Chrysanthemums

STRONG STOCK PLANTS.

Touset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).

75 cents per doz.; \$4.00 per 100.

WM. SWAYNE, Kennett Square, Pa

GERANIUM CUTTINGS.

Ricard.....	\$12.00 per 1000
Poitevine.....	12.00 per 1000
Nutt.....	10.00 per 1000

Cash with order, please.

F. SCHELL & CO.

R. F. D. No. 2, Lancaster, Pa.

Japan Iris, Syringa Japonica

Lilium Wallacei, Lilium Tenuifolium, Madeira and Cinnamon Vine, Gladioli and other bulbs.

Send for Price List.

E. S. MILLER, Wading River, N.Y.

BOSTON FERNS,

WHITMANI, 2 1/2 inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

E. G. Hill's New Forcing Hybrid Tea ROSE QUEEN



ROSE QUEEN

COLOR—This new rose has the startling shade of pink found in **Rodocanachi**, or in a perfect **Testout**, with yellow standard at the base of the petal, which is a guarantee that the flower will never "blue" with age, and that it will not fade in bright sunlight.

FORM—The bud is very long, slender, and pointed, and opening shows a heart glowing with color.

STEM—One of its strongest points is the freedom and quickness with which it makes long stems, which hold the fine buds quite upright, producing high-grade blooms earlier than any other rose on first year plants.

PETALAGE—It is fuller than **Killarney** and opens readily even in dark weather.

Its **KEEPING QUALITIES** are remarkable; it has carried in fine condition to all the shows, and has stood up well after arrival.

The **FOLIAGE** is decidedly handsome, while not too profuse.

It has a strong **CONSTITUTION**, is healthy and free from mildew and blackspots; does not drop its foliage as **Killarney** does, and never takes on the faded appearance that so often mars the beauty of the latter.

MANAGEMENT—The average grower will have no trouble in producing high-grade blooms, for the variety has no ugly tricks of growth or faults of constitution; takes same temperature as **Killarney** or 'Maid.

It **PROPAGATES** readily.

ROSE QUEEN won the prize at the Chicago Show, November, 1910, as the best undisseeded seedling.

READY MARCH 1.

50 cents each.
\$35 per 100 (25 at 100 rate).
\$300 per 1000 (250 at 1000 rate).
\$5 per 100 additional for grafts ready during March.

Mrs. AARON WARD—THE NEW YELLOW FORCING ROSE

This rose is a real joy to the grower, and absolutely distinct; if it never bore a flower, the plant would still be an object of beauty with its close-set foliage, dark and glossy leaves, long, slender and pointed, with maroon reverse.

The habit is admirable, very freely branched, making a perfect shrub in form, and rustling with health.

Every shoot produces a flower—

And the color! Coppery orange in the opening bud; golden orange when partly developed; pinkish fawn of

lovely shade when fully open, when it looks like a full, fluffy silk rosette. No wonder that flower-buyers have fallen in love with it.

Any grower wishing novelty in his cut roses, any florist needing something besides pink and white and red, will be delighted with the lovely **Mrs. Ward**.

\$12 per 100
100 per 1000 { Own root, January delivery.

\$25 per 100 for strong grafts in March.

BONFIRE—Our New Carnation

Color, intense velvety scarlet; a nice, clean grower, with beautiful blue grass, indicating a strong constitution; habit, excellent, free in growth and bloom, stem long and stiff, with a strong calyx; this is a first-rate commercial scarlet, a fine companion for **BEACON**, which is now practically our only red variety.

It is early, and opens its bloom quickly; an unusually good traveler and keeper. Each year of its trial has

confirmed our estimate of its value.

Won Silver Cup (Sweepstakes) at Chicago Show in 1909, for best seedling carnation.

Won first at Chicago in 1910, for best red seedling carnation.

First at Indianapolis, 1910, winning in open class for 50 red with eight entries of standard and novelty varieties.

CHRYSANTHEMUMS

Choice List of New Varieties also of Standard Sorts.

SPECIAL—WHITE CHADWICK—Our pure white strain of Chadwick is superior to any thing in this line.

GOLDEN CHADWICK—A specially selected strain of golden color which is much deeper and richer than the Yellow Chadwick.

WELLS LATE PINK—A grand late pink variety of immense size and exquisite tone of color.

CHAS. RAZER—A fine commercial white which might be called a white Bonnaillon, as it is identical in form of bloom. Habit, strong and easily grown.

Let us know your requirements that we may quote you for early delivery.

— WRITE FOR TRADE LIST —

The E. G. Hill Co., Richmond, Ind.

Roland's Xmas Plants

	Per Doz.
Oranges	\$24.00 to \$48.00
Ardisias	12.00 to 36.00
Dracaena terminalis.....	9.00 to 18.00
Begonias	1.80 to 36.00
Primulas	3.00
Cyclamen	5.00 to 36.00
Azaleas	6.00 to 36.00
Poinsettias	3.00 to 15.00
Ericas	18.00 to 36.00
Camellias	18.00 to 24.00

Come and see our stock; greenhouses
39 minutes from North Station, Boston

Thomas Roland, Nahant, Mass.

Send List of What You Have to Sell
in Holiday Stock

PLANT GROWERS

I have a market for
all pot plants you
can supply in good
quality and reason-
able price if you
Let Me Know Early

C. C. TREPEL

Loeser's, Brooklyn, N. Y.
Bloomingdale Bros., New York City

Largest Retail Plant Dealer in the United States

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties, first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, \$2.50 per dozen; 6 in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

For Special Offer of Bulbs,
See Page 828.

F. R. PIERSON CO.

Tarrytown-on-Hudson
NEW YORK

For the Christmas Trade

BEGONIA "GLORY OF CINCINNATI"

the best winter-flowering begonia ever sent out. Its lasting quality gives satisfaction to customers; it costs no more than the good old Gloire de Lorraine, and is far superior. Prices: Large plants, 4 inch pots, well-flowered, 50c each; 5 inch, \$1.00 each; large specimens, 6 inch pots, \$1.50 each; 8 inch pots, \$2.50 each.

Customers say it "sells on sight." Six large houses of this beautiful plant. Try a few assorted sizes now, and you will want more for the Holidays.

J. A. PETERSON

McHenry Ave.,

Westwood, Cincinnati, O.

PRICE LIST

CHRISTMAS, 1910

CRAIG CHRISTMAS SPECIALTIES

Are known all over the country and are in greater demand each year. Having increased our glass area over 50,000 square feet, we are in a position to meet our fast increasing business. Our stock for the Holidays is superior in quality to any we have ever grown, notwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following among the thousands of other staple stocks:

15,000 Cyclamen 25,000 Poinsettias 20,000 Begonia Gloire de Lorraine 3,000 Azaleas

CYCLAMEN

This has been one of our specialties for over twenty years. This year we grew upwards of fifty thousand plants. At this time our stock is better than ever before and sure to be a money maker for any one buying now.

POINSETTIAS

We grow none of the pink variety, all of our stock being of the selected, bright red sort; the bracts are unusually large in all the sizes.

DOUBLE POINSETTIAS

This is a great improvement over the single variety, the bracts being double and much larger.

BEGONIA GLOIRE DE LORRAINE

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.

BEGONIA LONSDALE

We have a large stock of this light sport at the same prices as quoted for Begonia Gloire de Lorraine. This

variety is considered far superior to the original type, making a finer shaped plant, and holding the flowers much better. The color is a little lighter than the original Lorraine.

BEGONIA LONSDALE—Dark Sport

This variety holds its flowers better than any other, and owing to its great "keeping qualities," it will become a universal favorite.

BEGONIA GLORY OF CINCINNATI

This variety is endorsed by all the leading retail florists and will in time displace Begonia Gloire de Lorraine. Do not overlook this grand plant when placing your order for Christmas.

AZALEAS

Our Azaleas were never in finer condition for Christmas and include one full house of that sterling variety "Madame Petrick," also a large quantity of "Hexe" and "Vervaeana."

BERRIED AUCUBAS

Well berried and well colored.
7-in., 8-in., 9-in. and 10-in. pots.....
\$15, \$18, \$24, \$30, \$36, \$48 and \$60 per dozen.

CROTONS

The Croton with its highly colored foliage is indispensable for the coming season. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered. It will surely give satisfaction.

BOXWOOD

Just Arrived—Unusually fine stock of all plants of all sizes. \$0.50, \$0.60 and \$0.75 each

Ball shape.....\$1, \$1.25 and \$1.50 each
Heavy Bush Form.\$1, \$1.25 and \$1.50 each
Pyramid..\$2.25, \$3, \$3.50, \$4 and \$5 each
Pyramid Squared, very handsome, in fancy tubs, \$12.50 each.

It will be well to place your order for the above at once. We will hold for future delivery or ship now.

ROBERT

49th and Market Sts.,

CRAIG COMPANY

Branch: Norwood, Pa.

PHILADELPHIA, PA.

GET READY FOR CHRISTMAS

I offer my immense stock of Fruited, Flowering and Decorative Plants at the most reasonable prices.

POINSETTIAS, very fine, 4 plants in a 6-in. pan, \$12 a doz.
5 plants in a 7-in. pan, \$15 a doz.
6 plants in a 8-in. pan, \$18 a doz.
7 and 8 plants in a 9-in. pan, \$24 a doz.
10 plants in a 10-in. pan, \$3 each pan.
12 plants in a 12-in. pan, \$4 each pan.
Extra large pans, \$5.00 each.

AZALEAS, *Vervaeana* and *Simon Mardner*, 6-in. 50c. and 75c. each, \$6.00 and \$9.00 a doz.

6½-in., \$1.00 each; \$12.00 a doz.
7-in., \$1.50 and \$2.00 each; \$18.00 and \$24.00 a doz.

8 and 9-in., \$3.00, \$4.00 and \$5.00 each.
Pyramids and Fans. (Prices on application.)

Deutsche Perle, 6, 6½ and 7-in. pots, \$1.50 to \$3.00 each.

Firedry, in bloom for Christmas, \$6.00 a doz.; larger, \$1.00, \$1.25, \$1.50 and \$2.00 each. *Very fine*.

BEGONIA LORRAINE, very fine, in 7-in. pots, \$12.00, \$18.00 and \$24.00 a doz.

CAMELLIA Chandleri (pink) and *Campbell* (red), loaded with flowering buds, very fine for Christmas, 5½ and 6-in. pots, \$1.25 and \$1.50 each; 6 and 6½-in. pots, larger, \$1.75 and \$2.00 each.

ERICA *Fragrans*, very fine for Christmas, 6-in., \$12.00 a doz.; 7-in., \$18.00 a doz.; 8-in., \$24.00 and \$36.00 a doz. *Specimens*, \$4.00, \$5.00 and \$6.00 each.

JERUSALEM CHERRIES, red berried, 6-in., \$6.00 and \$9.00 a doz.

CYCLAMEN, 5-in., \$4.00 a doz.; 5½-in., \$5.00 a doz.; 6-in., \$6.00 a doz.

ORANGES, *Citrus Sinensis*, fruited, very fine, 6-in. pots, 75c. and \$1.00 each; 7,

8 and 9 in., also 7-in. pans, \$1.50, \$2.00, \$3.00, \$4.00 and \$5.00 each.

CARNATIONS, 7-in. pans, \$9.00 a doz.; 8-in. pans, \$12.00 a doz.

DRACAENA Massangeana, 7-in. pots, \$1.25 and \$1.50 each; 8-in. pots, \$2.00 each.

Lindeni, 6½-in. pots, \$1.25 and \$1.50 each.
Fragrans, 5½-in. pots, \$6.00 a doz.

CROTONS, 4-in. pots, \$2.00 a doz.; 4½-in. pots, \$3.00 a doz.

PANDANUS VEITCHII, 7-in., \$1.50 each; 8-in., \$2.00 each.

ARAUCARIA Excelsa, 4½ and 5-in. pots, \$6.00 a doz.; 5½-in. and 6-in., \$9.00 a doz.; 6-in., larger, \$12.00 a doz.; 7-in., \$2.00 each; 8-in., \$3.00 each.

ARAUCARIA Glauca, 6-in., \$1.25 and \$1.50 each; 6½ and 7-in., \$2.00 and \$2.50 each.

Compacta, 5½ and 6-in., \$1.00 each.

BOXWOODS, 15c., 20c., 25c. and 30c. each.

Pyramids, \$3.00 to \$10.00 a pair.

Standards, \$2.00, \$3.00 and \$4.00 a pair.

CIBOTIUM Scheidei, 6-in., \$2.50 each; 6½-in., \$3.00 each; 7-in., \$3.50 each.

FERNS, *Boston*, 7 and 8-in. pots, 75c., \$1.00 and \$1.50 each.

Scottii, 6-in. pots, \$6.00 and \$9.00 a doz.; 7 and 8-in., \$1.00 and \$1.50 each.

Scholezi, 6-in., \$6.00 a doz.; 6½-in., \$9.00 a doz.; 7-in., \$12.00 a doz.; larger, \$1.50 each.

Whitmani and *Piersoni*, 75c., \$1.00 and \$1.50 each.

PHOENIX Roebelenii, 4½-in., \$9.00 a doz.; 5½-in., \$12.00 a doz.; 6-in., \$1.50 each.

KENTIA *Belmoreana* and *Forsteriana*, from 75c. to \$5.00 each.

RHAPIS Humilis, \$1.50 to \$5.00 each.

COCOS Weddeliana, large, from 2 to 4 ft. high, \$1.25 to \$6.00 each.

Cash with Order, Please. All Goods must travel at the purchaser's risk.

ANTON SCHULTHEIS

316 Nineteenth St., COLLEGE POINT, L. I., New York

DIRECT IMPORTATIONS

At Foreign Growers' Prices

SPRING SHIPMENT

Kentias—Made up and single, *Araucarias*, *Bay Trees*, etc., from Ghent, Belgium.

Roses, **Rhododendrons**, **Paeonies**, **Boxwood**, etc., from Boskoop, Holland.

French Ornamentals, **Japanese Nursery Stock**, **Perennials**, etc.

SHIPMENT FROM NEW YORK

Japanese Lilies, **Giganteum**, etc.

Valley Pips, **Hamburg** or **Berlin type**, all grades.

Raffia, **Red Star brand** and 3 other grades in bale lots, also colored.

McHUTCHISON & CO., 17 Murray St., New York

YOUR CHRISTMAS FERNS

Should be the best obtainable. We have extra fine stock to offer you, *Pteris Wilsoni*, *Wimsetti*, *Victorae*, *Holly ferns* and *Aspidium*, \$3.00 per hundred. Packing the best and liberal count. Let us send you a sample shipment.

Cash or satisfactory references please.

R. G. HANFORD, NORWALK, CONN.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

PREPARE FOR CHRISTMAS

No argument needed. You know well who has the best of *Araucarias*. Even a child has heard of it. We have houses full of the choicest. **JUST LOOK!**

AN ARAUCARIA excelsa, 6-in. pots, 4, 5, and 6 tiers, 20 to 25 inches high, big as an Elephant, for only 75c. As big as a Jumbo for only \$1.00. As big as a Holy Terror for only \$1.25 to \$1.50.

ARAUCARIA robusta compacta, 6-in. pots, to beat the band, just in sizes you are looking for, \$1.25, \$1.50.

ARAUCARIA Excelsa Glauca won't stay behind the others. If you want something right handsome for your customers try either of them. Look! only \$1.25 to \$1.50, worth \$3.00 each.

Then we have a house full of **BEGONIA GLOIRE DE LORRAINE** in bloom for the holidays, 6 inch pots 50c., 75c. to \$1.00 and as high as \$1.25 and \$1.50; 3 inch only 15c. *Scottii*, *Whitmani*, *Boston* and *Scholezi* ferns we have by the 1000 in 6 and 7 inch sizes at 50c., 75c., \$1.00.

LATANIA Borbonica, 6 inch pots, 30 inches high, 50c. and 75c.

KENTIA Belmoreana and *Forsteriana*, 6 and 7 inch pots, 25 to 50 inches high at 75c. and \$1.25, \$1.50 to \$2.00.

DRACAENA Bruanti, 6 inch pots, 30 inches high at only 50c.

PRIMULA Chinensis and *Obconica*, 5½ inch, \$2.50 per dozen. Small plants, 3 inch, 15c.

FERNS for Dishes, a good assortment, 2½ inch, \$4.00 per 100.

AZALEAS for Christmas already forced showing colors now and are stored away in cold houses. Have only medium sized plants, nice shaped ones.

VERVAEANA double rose, variegated; **DEUTSCHE PERLE** (double white), prices \$1.00, \$1.25, \$1.50 to \$2.00. **MAD PETRICK**, early pale pink, 75c., \$1.00 to \$1.25 to \$1.50.

RUBBERS or Ficus elastica, 5 and 6 inch pots, 25c. and 50c.

Cash with order please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants,

1012 West Ontario St., Philadelphia, Pa.

BEGONIAS GLOIRE DE LORRAINE

	per 100.	per 1,000.
2-inch pots.....	\$20.00	\$160.00
4 " ".....	\$0.00	\$250.00

GARDENIAS

2-inch pots, \$15.00 per 100.
4 " " 25.00 " "
5 in. pots, \$5.00 per doz., \$35.00 per 100
6 " " \$8.00 and \$9.00 per doz.

BOSTON FERNS

.35, .50, .75 and \$1.00 each.

A. N. PIERSON, Inc., Cromwell, Conn.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Rosindale, — Boston, Mass.

Price list on application.

HOLLY AND HOLLY WREATHS.

Choice Holly well berried, dark green leaves, size 2x2x4 feet, \$2.20 case delivered. Holly Wreaths, 15 inch, \$1.25 doz., 4 and 5 clusters of berries. Pure Gold Florist Letters including Box, \$4.00 M. Terms Strictly Cash With Order.

A. K. SAVACOL & CO.,
Camden, N. J.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

Eastern Nurseries



*Juniperus Virginiana and Hybrid Rhododendrons
in our nursery*

New Dawson Rambler Roses

“Daybreak” and “Lady Duncan”

Three-year-old Plants, \$1 each, \$7.50 per ten

A large Stock of Choice Conifers, Deciduous Trees
and Shrubs and Hardy Herbaceous Perennials

Send for our New Illustrated Catalog

EASTERN NURSERIES, - JAMAICA PLAIN, MASS.

Nurseries at Holliston

HENRY S. DAWSON, Manager

Office at Jamaica Plain

Trollius

The amateur flower grower or garden owner and even quite a number of learned gardeners when today facing the necessity of selecting plant material for a new herbaceous border are usually under the impression that



TROLLIUS EUROPAEUS

the task before them is a very easy one. Confronted with the long lists, especially of spring flowering species and varieties, matters change. With the ever increasing importance of hardy perennials large and richly assorted collections are offered, calculated to meet the different climatic conditions as well as the various tastes and fancies of customers. The wide-awake grower knows that the introduction of novelties of merit always has a stimulating effect on trade and is bound to prove a benefit to the garden. Among those spring-flowering herbaceous plants which are very apt to become a source of pleasure to their respective purchasers we may count the trollius, or globe flowers. They represent a first-class material for the mixed border, when grouped together in clumps of from ten to twenty-five plants. In European gardens we find trollius quite freely used as a bedding plant on the open lawn, or part of formal flower parterres. A light sandy loam, properly enriched, is the kind of soil they thrive best in. In our country, throughout the northern states, an open sunny exposure is preferable, while for the middle Atlantic and central part, a semi-shady position may be of better advantage.

Best known and most widely distributed is the variety *Trollius europaeus*. Habit of growth and the loose globular shape of the flowers is shown in our illustration. The height of the plant is one and a half feet and the diameter of the bright deep sulphur-yellow flowers two inches. For mass effect, shape and color is perfect. As cut flowers they have lasted from three to four days. The varieties *Trollius asiaticus* and *T. caucasicus* I have rarely met with in American gardens and *T. americanus*, a native of the northwestern part of our continent, is also seldom found outside of botanical gardens or large collections. Better known to us is the Japanese representative of the globe flower. The variety *Trollius japonicus* *Excelsior* is of strong growth reaching a height of from 2 to 2½ feet. Its deep orange flowers in bright sunlight possess a high degree of intensity, which is essential for distant effects.

A plant genus of the beauty of the globe flower naturally inspires the hybridizer. As the result of work in this line a strain of mixed hybrids and a number of distinct new varieties have sprung up, which are now partly undergoing trial and partly are in the course of dis-



TROLLIUS JAPONICUS EXCELSIOR

semination. As one of the foremost originators of a number of meritorious novelties I mention the well known firm of Goos & Koenemann in Nieder Walluf in Germany, their last catalogue listing as many as ten new debutantes of globular and semi-globular shape, in yellow and bright orange-red colors.

The trollius is propagated by division, or raised from seed. Seed very often requires a full year's time for germination.

Richard Rothe

Northeast Harbor, Maine.

Amasonia punicea

It is somewhat strange that so beautiful a plant as *Amasonia punicea* is not more widely grown than it is. It has been known to botanists for more than a century, but even in European gardens it was not known very widely until about 1885, the Messrs. Veitch some years previous to that date having obtained an importation through one of their collectors who found it in British Guiana, but it has been found growing all over equatorial America. As a bract-producing plant *A. punicea* deserves a place along side the popular *Euphorbia Poinsettia pulcherrima*, and, although it is not so fast a grower as *Poinsettia*, it retains its foliage much better than that plant and lasts much longer. We cut some here at Thanksgiving which had been showing their bracts for three months, and they looked then as if they might have lasted on the plant until Christmas. *A. punicea* is described by an authority in the following manner: "A low suffrutescent shrub, with erect stems furnished with spreading foliage, the leaves, which are elliptic-lanceolate, having serrate margins and are about a foot long; the inflorescence is terminal, the crimson peduncle about as long as the leaves and slightly nodding."

A. punicea is not difficult to grow. We cut our old plants back in June, and inserted the cuttings in sand

with no bottom heat under them. They rooted in about six weeks, then they were potted in small pots in a rough sandy loam with about a third of leaves in it and placed them in a corner of the croton house. These plants like a moist atmosphere and treated in the above manner make nice little plants for making-up in the fall. The old plants after they were cut back, started into two growths, when we repotted them and made a growth about eighteen inches with beautiful crimson bracts on them at Thanksgiving.

A. punicea makes strong roots and while it is growing enjoys frequent applications of manure water. I have never seen any insects on these plants, but the reason for that may be that every two weeks we syringe our codiaums with a mixture of kerosene and water—a two-inch potful to an ordinary pail of water kept well agitated while it is being applied. We select a dull day for this operation and next morning syringe with clean water before the sun gets high. The Amasonias received their dose along with the codiaums, and I never saw it do them any harm.

George F. Stewart.

West Medford, Mass.

Seasonable Notes on Culture of Florists' Stock

CHRISTMAS CULTURAL SUGGESTIONS

With Christmas only two weeks away the florist's thoughts are now concentrated in preparing his stock, in order to be in the very best condition for that occasion. The buds of lilies should be well forward now. You will have to do some figuring during the next ten days in moving around these lilies so as to time them to a nicety. The most advanced ones should be removed to cooler quarters while those that are backward should be given some high forcing unless too far behind. Some five or six days before they are wanted lilies that are showing two or three open blooms and other buds that are turning white should go into cooler quarters. Remove the anthers from the flowers before they are fully expanded. The filling of pans, baskets and other receptacles with plants other than bulbous stock or poinsettias should be done now or as soon as possible. See that the plants are well watered or thoroughly dipped before being made up. All foliage plants should have a good sponging off. Have a good supply of holly, mistletoe, laurel, lycopodium and boxwood for use in decorations. Wreaths and crosses of these materials are all closely associated with the Yuletide festival.

AZALEAS

Those that are showing color now will need very little in the way of forcing to be in good condition by Christmas. If these plants are coming into bloom too soon they should be given a cooler place, but the transfer from tropical heat to a considerably colder temperature should be gradual—say a reduction of from 5 to 8 degrees a day, by which method you can reduce to within a few degrees of the freezing point without harm. A too sudden change into colder quarters is liable to cause the opening flowers to stick and never fully expand. Giving an abundance of water when needed, guarding against cold piercing draughts, and bringing into cooler quarters by slow stages will tend to brighten

the luster of their flowers and to lengthen the blooming period for some little time.

BERRIED PLANTS

Ardisias, Jerusalem cherries, hollies and oranges that are well fruited are all very appropriate for the holiday plant trade. The care of these plants at this time of the year differs but little. Be very careful not to overlook proper watering. There is nothing worse as a spoiler of their beauty than allowing them to dry out at the roots. They should never suffer for want of water. Other causes that produce a like effect are overwatering, cold draughts and sun scorching. The careful grower will not be slow in tracing any like cause and remedy the evil. A cool house is necessary for all these plants. A night temperature of about 50 degrees will suit them very well.

CYCLAMENS

Plants which have a number of well-developed buds but not quite out should be put into a warmer house of about from 55 to 58 degrees at night, giving them a place where they will be as near the glass as possible and in full sun. It is not good to apply too much heat to these plants, as it will cause them to "draw up." We are all very impetuous in trying to have as many flowering plants as possible for this date, quite forgetting that any extreme in forcing cyclamens will only result in an unevenness in color and a faded appearance of the flowers which lowers their value as a marketable product. They can be grown to perfection in a night temperature of about 50 degrees.

POINSETTIAS

Failure with poinsettias can usually be traced to insufficient heat. Grown in a low temperature, the leaves will turn yellow and drop. The best poinsettia bracts with their stems leafless lose the greater part of their value. The loss of foliage is often caused by the exhaustion of the soil. If they have had some liquid manure occasionally up to now it will help them materially. Keep your pans and pots from drying out too much by giving water whenever necessary. By this time most poinsettias should be well advanced and if so a temperature of about 55 degrees will be sufficient to hold them in good condition. Those that are coming along not so fast can be held at from 60 to 65 degrees at night.

PRIMULAS AND LORRAINE BEGONIAS

These should be transferred to a very light bench near the glass. The atmosphere should be kept rather dry for primulas. Give them air on all possible occasion, but cold currents should not blow over the plants. Avoid dryness at the roots or any excess in the way of watering. Lorraine begonias are very sensitive to any sudden changes of temperature. They should be as near 60 degrees as possible. Where large specimen plants are grown—say, in 6 to 8-inch pots, they should have plenty of room now. Raise them up close to the glass on inverted pots and far enough apart so as to have every one fully exposed to light. It will give you a better chance to water them, according to the individual wants of each. Any pans or baskets that are to be filled can be done now before the hurly-burly of the Christmas trade is with us.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Antirrhinums; Begonias; Dendrobiums; Manetti Stock; Propagating Bench; Seed Sowing.

Renanthera coccinia



SPRAY OF RENANTHERA COCCINIA

The subject of the illustration is one of the many curiosities in the orchid collection of Mrs. B. B. Tuttle of Naugatuck, Conn. The flowers are bright red; the petals and dorsal sepal transversely barred with yellow; the very small lip is white with a deep maroon front lobe. On the plant they will keep in good condition for about three months and no doubt will also last a long time when cut, which makes them quite valuable. The plant itself, even when not in bloom, is interesting, owing to its long aerial roots which it freely produces. After a plant is once properly potted or basketed, using plenty of drainage covered with a layer of peat and moss, it will require no more attention outside of a daily syringe and an occasional watering. The plant shown here has been in the same basket for nearly six years and will not be disturbed until the basket has rotted away. This *Renanthera* is about the limit in the way of shy-blooming orchids, for unless it can get all the sunshine it is possible to give to it, together with a fairly high temperature, it will simply refuse to flower. It is a very free grower, the plant illustrated having made all that growth (about seven feet) in less than six years, but in all that time it has flowered but twice. The houses here used to be shaded from a big elm tree for the greater part of the year, which made it very difficult to ripen off the different sun-loving orchids and some could not be induced to flower properly. Greenhouses and trees should always be kept far apart, or at least keep the trees at the north end.

Renanthera Imshootiana is a dwarfer and more free-flowering species with similar but smaller flowers, which are produced during spring and early summer.

OTHER INTERESTING ORCHIDS

Among the orchids which never fail to attract the attention of the visitor are the beautiful Baby Orchid (*Odontoglossum grande*) and the Holy Ghost orchid (*Peristeria elata*) both flowering at about this time. It would be well for florists having a local retail trade to invest a few dollars for just such interesting curiosities. I know people will go quite a ways to see such things and when there they will have a chance to see all the other

good things that may happen to be on the premises and be tempted to buy.

Give the *Odontoglossum grande* a light position in a cool airy house where one would grow azaleas or cinerarias, for instance, and it will well repay for the little trouble it takes to grow it. A cinneraria or primrose or cyclamen will make a good deal more work and worry to grow it well than the majority of the orchids would. Once an orchid is potted (except epiphytal orchids) it will grow a number of years before it will have to be repotted. All it will need in the meantime is plenty of fresh air, water when the compost is thoroughly dry and an occasional cleaning or fumigating to keep down insects. After growth is completed less water is required until new growth starts again. Shade just enough to prevent leaves from getting scorched or yellow.

Peristeria elata is an epiphytal orchid and grows best in a mixture of one part well rotten manure and two parts of good maiden loam with a liberal sprinkling of sharp sand. It requires a high temperature and plenty of sun to grow and flower it well. Keep down red spider by frequent syringing. A rose house will make an ideal place to grow this orchid in, as well as the *Renanthera coccinea* and other sun and heat loving species.

Oncidium Papilio (the Butterfly orchid) is another interesting an easily grown orchid. It requires a rather high temperature and a little shade. In potting or basketing this orchid use but a very little compost (*Osmunda* fibre) and comparatively small pans or baskets. It likes a good supply of water at all times, but the compost must dry quickly again, therefore use it sparingly. This is true in a greater or lesser degree with all epiphytal orchids. The list of interesting orchids that could easily and profitably be grown could be greatly extended but one has to only scan the pages of the catalogues of our enterprising orchid growers and dealers to get an idea of the vast number one has to select from.

M. J. Ope

Cucumber Diseases

The cucumber is subject to quite a few serious diseases that are very destructive and rapid in their run under glass. If they once get a foothold, it will completely destroy your chance of success. That old remark, that "an ounce of prevention is better than a pound of cure" applies very appropriately to cucumber forcing. Such diseases as downy mildew, powdery mildew, wilt, anthracnose, etc., can be prevented by spraying on the first sign of any of these troubles with such fungicides as Bowker's pyrox, or Bordeaux mixture. All these diseases develop with the greatest rapidity in dull, dark and cloudy weather and where the inside conditions lack proper ventilation, thus causing a too humid atmosphere which favors the spread of all these diseases. Cucumbers are very liable to the attacks of nematodes or eel worms, which cause enlargements on the roots, and if they are present in the soil they increase rapidly in the favorable conditions offered in the forcing house. Where they are in the soil sterilization of the soil is the only known remedy.

John J. M. Farrell

VOL. XII

DECEMBER 10, 1910

NO. 24

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

	Page
TROLLIUS—Richard Rothe—Illustrated.....	805
AMAZONIA PUNICEA—George F. Stewart.....	805
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Christmas Cultural Suggestions—Azaleas—Berried Plants—Cyclamens—Poinsettias—Primulas and Lorraine Begonias—John J. M. Farrell.....	806
RENANTHERA COCCINEA—M. J. Pope—Illustrated..	807
CUCUMBER DISEASES—John J. M. Farrell.....	807
FRUIT AND VEGETABLES UNDER GLASS—Straw berries—Pruning and Tying Peach Trees—Making a Vine Border—Asparagus—Chicory—Radishes—G. H. Penson	809
CLUBS AND SOCIETIES:	
Florists' Club of Philadelphia—Gardeners' and Florists' Club of Boston—Chicago Florists' Club—Cincinnati's Proposed Big Exhibition—Connecticut Horticultural Society—American Carnation Society. Maryland State Horticultural Society, Illustrated..	810
American Gladiolus Society—Chrysanthemum Society of America—British Hardy Plant Society.....	812
THE NATIONAL FLOWER SHOW.....	812
THE GEORGE ROBERT WHITE MEDAL OF HONOR—Illustrated	813
THE MISSION OF BEAUTY—C. S. Harrison.....	814
SWEET PEAS—Fred. Paulke.....	815
BULLETIN OF FOREIGN PLANT INTRODUCTIONS.....	816-849
THE MISSION OF THE TRADE PAPER—Robert Kift.....	816
DURING RECESS—New York Bowlers—Cincinnati Bowlers	817
ANNUAL REPORT OF SECRETARY OF AGRICULTURE	818
CARNATION HOUSES AND SELECTION OF VARIETIES—H. T. Bell.....	819
EUROPEAN NOTES—Frederick Moore.....	820
SEED TRADE:	
A New Seed House—Prices on Future Peas—Canners' Peas—Retailers' Topics—Bolgiano & Sons' New Warehouse, Illustrated.....	824
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures	830
New Flower Stores—Flowers by Telegraph.....	831
A PROMISING NEW ROSE—Geo. C. Watson.....	831
OBITUARY—Mrs. William C. Smith.....	831
ACTIVITY AT COLLEGE POINT.....	832
CARNATIONS IN ENGLAND.....	833
CARNATIONS AT TEWKSBURY, MASS.....	835
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati.....	841
New York, Philadelphia.....	843
MISCELLANEOUS:	
British Jottings—H. H. Adsett.....	812
A Philadelphia Surprise—Geo. C. Watson.....	813
Spring Bedding—Illustrated.....	815
An Effective Subtropical Bed—Illustrated.....	817
Single Chrysanthemums at Minneapolis—Illustrated.	817
Personal—Philadelphia Notes.....	813
Chicago Notes.....	834
News Notes	843-851-852
An Apple Premium—Illustrated.....	851
Incorporated—Fire Record.....	851
Greenhouses Building or Contemplated.....	852

We frequently receive from appreciative readers of HORTICULTURE words of commendation for the convenience and practical usefulness of that section of our advertising department entitled the Buyers' Directory and Ready Reference Guide. The busy man finds this feature to be just what its name would indicate and its value becomes more and more apparent. It will be noticed that in this system of listing—original with HORTICULTURE—the interests of those who are running display advertisements are carefully conserved through reference in this classified arrangement to the page on which their respective offers appear. This is carefully revised every week and there can be no question of the good value to the advertising trade of such a handy guide for the information and use of the buyer who is in a hurry.

The advertiser is the man who makes possible the trade paper with its priceless practical information and its splendid services in the interests of the people whose welfare it promotes by every means in its power. With the advertising patronage left out, instead of one dollar for a volume of fifty-two issues where do you suppose the subscription price would soar if the trade paper is to live? HORTICULTURE is grateful to the men who, with their trade announcements, have stood by and given their efficient help in its struggle to become a useful promoter and servant of the horticultural profession and allied industries. We hope that those of our readers—and this includes most of them—who value the paper for its reading matter, will cheerfully do their part and wherever possible extend their full trade support to the enterprising growers, dealers and manufacturers whose advertising patronage has been so freely given to this our Sixth Anniversary Number.

Judging from the comments and criticism heard very generally among the seed houses, the fall bulb trade is rapidly falling into disrepute. In many establishments the present season has been a very unsatisfactory one, much stock being left on hand unsold, and the decline is invariably charged to the rapidly growing custom of the traveling representatives of the Dutch bulb houses in seeking out the small growers and selling them direct at wholesale prices. This policy, we are informed, they have pursued in Great Britain already to such an extent that leading seed houses there have given up the bulb business as undesirable excepting such stock as may be needed for the small counter trade. Any one who has access to the lists of individual imports coming into New York will be surprised at the large number of single case shipments of bulbs, often to parties whom the American jobbers look upon as undesirable risks. This indiscriminate credit giving must foot up a considerable loss each year to the shippers but it seems to have no deterrent effect. We think our Holland friends are making a costly mistake.

From the information gained through news items and correspondence as well as through observation in the exhibitions which we have been privileged to see we can confidently say that there is no evidence to show that the chrysanthemum has yet sustained any loss in popularity. It is probably true that the high retail prices exacted for fine specimen blooms in past years have not been possible this season. In fact, this feature of the chrysanthemum trade has been undergoing a steady reduction in each successive

season. This is only what should reasonably be expected as the sensational aspect of the large blooms wears off and the average quality of the product for market advances through the introduction of improved varieties and the acquirement generally of better cultural methods. We know that the opinion has been repeatedly expressed that this recession from fancy values must be interpreted as evidence of wavering popularity but we do not so regard it. It has been pleasant to note that the markets which we have had opportunity to watch have been unprecedentedly free this season from the low-grade chrysanthemum flowers formerly abundant. Another fact worth keeping in view is the very general call for the small-flowered varieties cut in natural sprays. The adaptability of the clear colored pompons and improved singles for table and other decorative work has met with ready appreciation this season and there is excellent reason to believe that these classes will rapidly forge ahead to a position of considerable importance in the flower market—not displacing but supplementing the stately blooms of the large-flowering section.

Fruit and Vegetables Under Glass

STRAWBERRIES

Strawberries can be started any time after Dec. 1st. Good results are seldom obtained by starting at an earlier date. Batches should be brought in at intervals, and where a house is not given entirely to them, should be placed on shelves near the glass. When plants are sufficiently dry, look to drainage of each pot, readjust any which have become faulty, as good drainage is essential, and firm all balls which have become loose with frequent waterings during the growing season and the early frosts. Give a temperature of 40 degrees to 45 degrees at night; advance 5 degrees by day and 10 degrees with sun heat. Syringe twice a day when possible. Marshall is one of the best for this early work.

PRUNING AND TYING PEACH TREES

There is more art in correctly pruning and tying a peach or nectarine tree on a trellis than a casual observer would credit. No fruit tree looks prettier when in flower than a well-balanced and symmetrically trained peach, especially if you select one of the large-flowered varieties such as Hale's Early, Duke of York or Advance (Nectarine).

Much success or vice versa in this respect lies in knowing how to disbud and heel in young growths. When doing this see that each growth has enough space to grow without crowding; then the following winter it is not necessary to use the knife to any great extent. The whole thing is simplified by leaving all growths on the top side of a shoot and when the latter has to be cut away to make room for a young growth, it is simply pulled down in its place.

As flower buds are borne on last year's wood, as much of this as possible should be retained. Cut away any old and worthless wood, using a sharp knife to do so.

Secateurs may be all right for pruning trees and bushes outside, but inside where so many troubles have to be overcome nothing should be left to chance. A clean cut will always heal, but a ragged or bruised one is liable to die back or "gum."

Always make sure of a good bottom to your tree; the center will fill up itself. When tying in a tree lay all the heavy wood in first using soft string to secure it in its place. The lighter wood can then be disposed of

over the intervening spaces. When finished you should be able to get your hand (broadways) between each shoot.

MAKING A VINE BORDER

Borders can be made up as late as the end of February, but the sooner done the better, as the soil will settle down and canes can be planted right away. All borders should have a concrete bottom (with a grade to a drain, to allow water to get away) and sides to keep roots in absolute restriction. Depth of border has been a problem for many years to growers of grapes under glass and now in place of the deep borders (or you could almost call them borders without a bottom), which were in vogue years ago, we use shallow, well-drained borders of no greater dimensions than are necessary and they have much to recommend them, viz., by drying out oftener the soil is sweetened—surface roots are encouraged, thus aiding feeding—air can penetrate and disseminate food substances.

This shallowness has been overdone in some cases, necessitating constant watching and waterings. I have seen Gros Colman growing in about 10 inches of soil, but was told they took as much watching as pot vines and entailed much labor by constant watering.

Allow three feet from level to concrete bottom; fill in 1 foot of drainage made of rough bricks with a few lines of land draining pipes through them; cover this with a layer of sod and fill in soil. A good compost is 40 parts loam, 1 of crushed bricks and mortar rubble, 1 of charcoal, 1 of large bone (2 to 3 inches), 1 of small (half-inch) bone.

If young canes are to be planted it is a mistake to make the whole border up at once. Give them about 3 ft., 6 in. to start with. This will probably last them two seasons and when filled up with roots add another 3 feet; this gives more room and sweet soil to grow into.

ASPARAGUS

Asparagus can be forced as soon as frosts have sufficiently retarded its growth. Bottom heat is essential to obtain the best crops. A heated frame answers the purpose well. Cover the crowns about 3 inches with any light soil—leaf soil for preference. Throughout give a liberal supply of water. Commence with a temperature of 45 degrees to 50 degrees and after growth commences advance 5 degrees.

CHICORY

This finds a place in many salads and forces with a minimum of trouble. Place roots in a warm, dark cellar and keep moist. When only a small quantity is required a few roots can be placed in large pots and others inverted over them to blanch it.

RADISHES

Radishes mature quickly and can be utilized as a catch crop or a single row can be sown between lettuce, spinach, etc., and be ready for use before being crowded out. If grown by themselves sow in drills 3 inches apart and thin out seedlings to 2 inches. Forty-five degrees to 50 degrees will suit them at night with advance by day. Strong heat is apt to make them soft and pithy.

George H. Benson

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

Senator Heacock presided over the regular monthly meeting of the above club on the 6th inst., and conducted its proceedings with the dignity and decorum befitting the exalted station to which he has been called. He was the recipient of the hearty congratulations of his fellow members who all felt proud of the fact that their president had been chosen to represent the people in the senate of the great State of Pennsylvania. Edward A. Stroud gave an interesting talk on the subject of Flower Shows. E. G. Hill Co., Richmond, Indiana, exhibited roses; Mrs. Aaron Ward, Sunburst, and Rose Queen; and carnation Bonfire. Myers & Samtman sent sample of their new rose Hilda. Robert Scott & Son exhibited Double Killarney and Irish Melody. The committee reported as follows on these exhibits:

"The E. G. Hill Co., Richmond, Ind., exhibits several vases of their new roses. 'Sunburst,' saffron yellow with orange tint; French seedling. Mr. Hill brought this rose over three years ago. Noted for its long stem and good flower.

"Mrs. Aaron Ward"—a yellow forcing rose. Coppery orange color. Foliage fine dark green. Flower has good substance.

"Rose Queen."—Very fine true pink, fine glowing color with long pointed bud, very full petals, handsome foliage. Looks very promising.

"Carnation 'Bonfire.'—About the color of Victory; good, substantial flower; long, stiff stem.

"Myers & Samtman exhibited a vase of their new rose 'Hilda,' sport from Maryland. Much darker color than Maryland, and looks like a vigorous grower.

"Robert Scott & Son exhibited vase of rose 'Double Pink Killarney.' Has much more substance than Killarney; probably twice as many petals. Also yellow rose 'Irish Melody.' This is a Dickson seedling. Looks like a good commercial variety. Color, a good clear yellow; very double. Good foliage.

"(Signed) Leo Neissen, Chas. E. Meehan, Robert Shock, committee."

Edward A. Stroud, Chas. E. Meehan, Xavier Schmitt, Fred Hahman and J. Otto Thilow were appointed a committee to confer with the management of the P. H. S. in regard to Flower Show matters.

E. G. Hill gave a splendid talk about new roses—at home and abroad—and his remarks given from wide travels and ripe experience, were listened to with profound interest. Robert Craig spoke of the wonderful work done by Mr. Hill in many lines, and voiced the sentiment of the horticultural world when he stated that the man who could give us a Richmond rose, a Baldwin apple, or a Concord grape, deserved better of his country and mankind than a warrior who had won a battle!

As New Year's day comes on Sunday, the usual open house of the club will be on Tuesday, Jan. 3rd—the regular meeting date—and the appropriation for refreshments, etc., for that day, was ordered accordingly.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular meeting of this club will be held at Horticultural Hall, Boston, on Tuesday evening, De-

cember 20. This being the annual meeting for the election of officers, time will not permit of a regular lecture, but during the counting of the ballots Mr. William Downs of Chestnut Hill, ex-president of the club, will speak on his recent trip to Great Britain, and some of the wonderful horticultural sights seen.

The following nominations for the various elective offices were made at the November meeting: President, Peter M. Miller; vice-president, Thomas Pegler; treasurer, Peter Fisher; secretary, William N. Craig; executive committee (four members to be elected), Arthur E. Thatcher, J. P. A. Guérineau, William J. Kennedy, J. F. Flood, Wm. E. Fisher, Robert Cameron, J. M. Gleason, Eber Holmes, William Downs, Thomas Roland, and Albert Batley. Voting will be by the Australian ballot, and all members in good standing are entitled to vote, including any who are elected on December 20.

As there is much arduous work ahead for the club in 1911, it is imperative that officers are chosen wisely and well; it is hoped, therefore, that every member who can possibly attend will do so.

CHICAGO FLORISTS' CLUB.

One of the most harmonious meetings in the history of the club took place last Thursday evening at the Union Restaurant and a nomination, which is practically an election, of officers took place. Harry Philpott of Winnipeg, who has been a faithful attendant to all the meetings of the past year when he served as vice-president, now heads the list as president, with A. C. Kohlbrant, vice-president. A. T. Pyfer, manager of the Chicago Carnation Co., secretary and Ed. Winterson, treasurer. H. N. Bruns, A. Henderson and J. Degnan are the new trustees.

At this stage of the meeting the club was ordered to vacate the rooms as the proprietors had other use for the place. The members indignantly adjourned to another room across the hall where they met a genuine surprise in the shape of banquet tables, complete with decorations and all the delicacies of the season. It was H. Philpott's way of showing his love for the Chicago Florists' Club and appreciation of the honor shown him in making him its president. Toasts followed and the evening was greatly enjoyed by all. The annual banquet takes place the first Thursday in January. A Kohlbrant, chairman of committee on arrangements.

CINCINNATI'S PROPOSED BIG EXHIBITION.

The committee of five that were appointed at the last regular meeting of the Cincinnati Florists' Society, have formulated plans for holding a \$10,000 show next fall and will submit their report at the next regular meeting to be held Monday, Dec. 12th.

CONNECTICUT HORTICULTURAL SOCIETY.

On the 2nd instant, our Society was favored by an illustrated lecture by John T. Withers, of Jersey City, N. J., and once a president of our organization. This lecture followed his recent tour of the world.

Starting in Yellowstone Park, he carries you along in an interesting and entertaining manner, exhibiting the salient features of each country, not only in relation to horticulture, but in religion, art and social customs. His itinerary was through the Hawaiian Islands, Japan, China, the Philippines, Borneo, Java, Malay peninsula, Burma, India, Ceylon, Egypt, Italy, Switzerland, Bavaria, Germany, Holland, France and Great Britain. Hillyer Hall, Hartford, was well filled with an appreciative audience.

The wonderful fir trees of California were shown. One of them stands 325 feet high. One hedge in Honolulu, in blooming time, bore fifty thousand flowers of night blooming cereus. The Japanese gardens, with their pools of water and their bridges and miniature trees, were charming sights. The water buffalo is used for plowing in several eastern countries. This animal requires a daily mud bath to keep in health. A pitiable sight was seen in the common method of hand plowing in India; a barefooted man picking the ground with an implement somewhat resembling our mattock. A pair of Percheron horses or Hereford cattle, hitched to a Syracuse steel plow make an extraordinary contrast, and give us something to be thankful for in America. Cock fighting on Sunday is still a cherished sport in the Philippines, and some of the natives live in houses in the tops of coconut trees. A half million people live in boats in the harbor of Canton, rarely ever going ashore. Little material for horticulturists could be found among them. A number of the eastern countries maintain botanical gardens, where the native flora may be seen in its grandeur. Tea fields, rubber plantations and maidenhair, bamboo and cryptomeria trees, were shown. At Milan, in Italy, is a very beautiful cemetery. Nothing finer in the world, in the way of landscape architecture, the speaker said, could be found. The horticulture of European countries had to be passed over briefly, owing to the lateness of the hour. Our society is greatly indebted to Mr. Withers for his kindness in giving us this very comprehensive and informing lecture. Most of the lantern slides were reproductions of photographs taken by himself.

GEORGE W. SMITH, Sec.

Melrose, Conn., Dec. 6, 1910.

AMERICAN CARNATION SOCIETY.

Clyde Carnationary, Clyde, Ohio, registers seedling carnation, E. G. Gillett; parentage, Prosperity X Maceo; color, scarlet; size of flower, three and one-half inches. Strong and vigorous grower; never bursts the calyx; extra long and stiff stem; free and continuous bloomer.

A. F. J. BAUR, Sec'y.

MARYLAND STATE HORTICULTURAL SOCIETY.

The Maryland State Horticultural Society's exhibition at Baltimore, last week, was a decided success. Flowers, plants and fruits, vegetables, cereals, etc., were all of great excellence. The handsomest work in the big armory was done by the Park Commissioners through Supt. Jas. Boone of Clifton Park. A serpentine line of variegated plants and shrubs, bordered with ferns, and Jerusalem cherries, and with a 3-foot margin of close-shaved sod formed an artistic gem as good and natural as though it was located in a park. In the centre in front of it was a large conical-shaped bed, with an elaborate design worked out with echeverias, alternantheras, coleus, etc. These two specimens of landscape gardening were the feature of the exhibit. Richard Vincent, Jr. & Sons Co., White Marsh, Md., had a mammoth monument of hardy chrysanthemums, with the colors massed and arranged to bring out splendid results and contrasts. The number of varieties was a revelation even to florists.

One of the handsomest groups of foliage plants shown was some crotons and begonias, etc., by Geo. Morrison. Superintendent for Mrs. Henry Barton Jacobs, Robt. Halli-



Bolgiano's Exhibit.



The Park Board Exhibit.



R. Vincent, Jr. & Sons' Exhibit.

day, had a big group of magnificent ferns. Isaac M. Moss, a large group of dwarf and other conifers, very effectively arranged, with seats placed among them. Jas. Hamilton, Mt. Washington, Md., had a group of conifers which included some rare specimens, and rhododendrons. Gude Bros., Washington, sent some great American Beauty and other roses, and Jas. Hamilton and Geo. Morrison

also exhibited roses in variety and excellence. The exhibit of chrysanthemums was not extensive, but possessed quality.

Certificates of merit were awarded to John Feast & Son for palms; I. H. Moss, conifers; R. Vincent, Jr. & Sons Co., pumpkins, gourds, pompon chrysanthemums; Griffith, Turner Co., pumpkins; Robert Halliday, ferns; Geo. Morrison, ornamental plants; Robt. M. Graham, dining table and mantle decorations.

The display of apples showed that Maryland is rapidly coming to the front with this fruit, since spraying and intelligent care of orchards has become evident; the improvement in fruit is fairly marvellous. Cereals, especially corn, gave evidence of another product the state is excelling in. The new officers are: James S. Harris, president; Geo. Morrison, vice-president; Thos. B. Symons, secretary-treasurer; vice-presidents: for Baltimore City, Robt. L. Graham and David Stewart.

The annual meeting of the Sagadahoc Agricultural and Horticultural Society was held at the Court room, Brunswick, Me., Monday, Dec. 5th.

THE NATIONAL FLOWER SHOW

At a meeting last week in Horticultural Hall, Boston, of the various committees of The National Flower Show which will be held in that city, March 27th to April 1st, in connection with the Spring Convention of the Society of American Florists, American Rose Society, American Carnation Society and American Gladiolus Society and with the co-operation of the Massachusetts Horticultural Society, the progress made up to the present time was so encouraging that those present were more confident than ever that this exhibition will prove not only the greatest ever held in the history of the florist trade, but will be of incalculable benefit to the trade in general.

The committees of the Rose, Carnation and Gladiolus Societies were in attendance and submitted schedules for premiums, which will be placed in the hands of the printer and distributed at the earliest possible date. The following day at the meeting of the Show Committee and the Board of Control, several matters of general interest were brought up and the report of General Manager Chester I. Campbell was read. While the show is still several months away, Manager Campbell has already disposed of a large amount of the space allotted to the trade exhibits and at the present writing practically more than double the revenue has been realized as compared with that at any previous convention or show held by the S. A. F. Every greenhouse construction concern of any prominence in the country has already taken space, and the heating apparatus, fertilizer, pottery and accessory manufacturers are giving so grand a support as would warrant the assumption that at the opening of the exposition every available foot of exhibiting space will be utilized.

The Board of Control by unanimous vote advanced the opening date to Saturday, March 25th. This was deemed advisable owing to the fact that it will greatly assist those exhibitors from distant points. This, of course, gives the exhibitors the advantage of an extra day at no additional cost. Special efforts are being made to interest the owners of both large and small estates in New England and the response has been most gratifying. Many concerns that have never before exhibited on similar occasions have taken space, notably the fertilizer companies and the gardeners and farmers of New England have been invited to bring samples of their soils and the experts of the companies will analyze the same and give their opinion as to what is required to improve the yield. In fact, this is only one of the many novelties that will be introduced, the committee in charge being determined to make this event one that will long be remembered by the trade as well as the interested public.

Following is a partial list of those who have already taken space, and, different from any previous similar occasion, it will be advisable for those who contemplate exhibiting not to wait

until the eleventh hour, as preferred positions are rapidly becoming scarce: Pierson U-Bar Co., United States Radiator Corporation, Lunt-Mess Co., Means & Thacher, Kroeschell Bros., A. H. Hews & Co., Lord & Burnham Co., Hitchings & Co., Geo. M. Garland Co., Hammond Paint and Slug Shot Works, Foley Mfg. Co., Boston Plate and Window Glass Co., Revere Rubber Co., A. T. Stearns Lumber Co., Quaker City Machine Co., New England Mineral and Fertilizer Co., American Auxiliary Heating Co., American Agricultural Chemical Co., King Construction Co., Best Oil Co., Boston Belting Co., McFarland Publicity Service, H. Bayersdorfer & Co., H. M. Robinson & Co., Arthur T. Boddington, Henry F. Michell Co., Thos. J. Grey Co., Schloss Bros., Wertheimer Bros., R. & J. Farquhar & Co., Wait Interlocking Steel Co., Welch Bros., Knight & Struck, F. R. Pierson Co., A. N. Pierson, Inc., John Lewis Childs, C. W. Brownell Co., Aphine Mfg. Co., J. Jarnahl, J. G. Harrison & Sons, B. H. Traey, Robt. Craig Co., Advance Co., Bowker Fertilizer Co., Bradley Fertilizer Co., J. Q. Admans & Co., and Pennock-Meehan Co.

AMERICAN GLADIOLUS SOCIETY.

Following is the list of prizes for forced gladioli, offered at the National Flower Show to be held in Boston next March:

Forced Gladioli—Open to All.

Dinner table, set for four, decorated with forced gladioli—1st prize, \$10; 2d, \$6; 3d, \$3.

Artistically arranged basket of blooms—1st prize, \$5; 2d, \$3; 3d, \$2.

Center piece—1st prize, \$10; 2d, \$5; 3d, \$3.

Twenty-four spikes not less than four large-flowered varieties—1st prize, \$5; 2d, \$3; 3d, \$2.

Display of named gladioli, to occupy 20 square feet of space—1st prize, \$12; 2d, \$8; 3d, \$5.

Display of gladioli, Colvillei type, to occupy 20 square feet of space—1st prize, \$10; 2d, \$5; 3d, \$3.

Ferns, asparagus, smilax or other foliage may be used for effect in all classes.

H. YOEELL,

Chairman Exhibition Committee.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Boston, Mass., Nov. 26.—Pink sport of W. H. Chadwick, exhibited by A. N. Pierson, Inc., Cromwell, Conn. Color 18, form 12, fullness 7, stem 12, foliage 12, substance 12, size 7; total 80 points commercial scale.

Philadelphia, Pa., Nov. 26.—Pink sport of W. H. Chadwick, exhibited by A. N. Pierson, Inc. Color 16, form 13, fullness 8, stem 13, foliage 13, substance 14, size 9; total 86 points commercial scale.

Cincinnati, O., Dec. 3.—December Gem, Jap. Inc. Color pinkish white, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 15, form 12, fullness 10, stem 13, foliage 8, substance 14, size 9; total 81 points commercial scale.

CHAS. W. JOHNSON, Sec'y.

BRITISH HARDY PLANT SOCIETY.

A satisfactory start has been made by the newly formed National Hardy Plant Society. The rules recently adopted declare the Society's objects to include the following: Encouragement of the production of new and imported varieties of hardy plants, by examining and reporting on their merits; collection and dissemination of trustworthy information respecting the adaptability of particular kinds of plants to various soils and localities; testing of plants and families of plants; provision of advice on horticultural law, and at discretion to prosecute in flagrant cases of dishonest trading. It is the Society's intention to hold shows of hardy plants and flowers throughout the country. The following are the officers of the society: Chairman of Council, Mr. A. J. Macself; Vice-Chairman, Mr. Went; Treasurer, Mr. J. S. Brunten; Secretary, Mr. F. Bouskell, Market Bosworth, Nuneaton. A representative council of 48 has also been appointed. An invitation has been received for the members to visit Friar Court, the residence of Sir Frank Crisp, next summer, and this has been accepted, with the Society's heartiest thanks. The Earl of Onslow, a former president of the Board of Agriculture, has consented to act as one of the vice-presidents. The Society is receiving the full support of many of the leading hardy plant enthusiasts. There are indications that without interfering with the work of the older societies the new comer will be able to fill a very useful part in the horticultural world. The culture of hardy plants is gradually on the increase, and there is abundant scope for a society of this character, particularly as regards its educational work.

British Jottings.

The London County Council has once again raised the indignation of the gardening fraternity by the remarkable attitude in filling the post of the chief officer of the public parks. Instead of selecting, as might be expected, a man skilled in landscape work and with a knowledge of horticulture the Council appointed a military officer, despite a strong protest made against the absurd choice.—After paying all expenses of the recent show the National Vegetable Society has a satisfactory surplus.—"The Botanical Journal" is the name of a new publication which in future will appear monthly as the official organ of the Royal Botanical Society, Regent's Park, London.—The Royal Horticultural Society has rendered good service to daffodil lovers in bringing out a classified list of daffodil names. The standard classification will prove very helpful, especially in clearing up many doubtful points as to the proper grouping of the varieties in show schedules.—At the annual general meeting of the Glasgow and West of Scotland Horticultural Society, held lately at Glasgow, the balance sheet was submitted. It was shown that the last show held under the auspices of the Society had been the biggest success financially within the last fifteen years.

W. H. ADSETT.

THE GEORGE ROBERT WHITE MEDAL OF HONOR



An important event in the horticultural world the present year is the establishment of the George Robert White Medal of Honor for the maintenance of which a suitable fund has been given to the Massachusetts Horticultural Society and the medal is to be awarded by the executive management of that organization.

Mr. George Robert White of Boston in his deed of trust accompanying the fund states that he has long thought that there was an opportunity for broadening the field of influence of the Massachusetts Horticultural Society and of extending the interest in its work if some suitable recognition were made of those persons who have accomplished important results in horticulture; the award to be made independently of or in addition to any prizes or certificates of merit that may be bestowed by the Society in the course of its regular schedule of premiums.

He has therefore founded the George Robert White Medal of Honor fund, the income of which is to be devoted annually for the specific purpose of providing a substantial gold medal to be awarded to the man or woman, commercial firm or institution in the United States that has done the most during the year or in recent years to advance the interest in horticulture in its broadest sense.

The first award of the medal has just been made to Prof. Charles S. Sargent, Director of the Arnold Arboretum, whose eminent service in horticulture is generally recognized both in this country and abroad. His great work has been the introduction of many desirable ornamental trees and shrubs

and the testing of their hardiness in this latitude.

The George Robert White Medal of Honor will take rank in its own field with the Victoria Medal of Honor of England and the medal of the Legion of Honor of France, and will have a strong influence in promoting the horticultural activities of the country.

The medal itself was struck at the United States Mint in Philadelphia, from twenty-four karat gold; is two and three-quarters inches in diameter, five thirty-seconds of an inch thick, and weighs between seven and eight ounces.

On the face, the figure symbolizes, not the ordinary horticulturist as much as the scientific intellect, whose aim is to improve nature, even to create, if that is possible. The trees in the background represent the allied branch of arboriculture. On the reverse, in the inscription, the name is so designed that it can be replaced by another name each time the medal is awarded.

The George Robert White Medal was executed by Mr. John Flanagan, a native of Newark, N. J., and a student, first of Augustus St. Gaudens, later in Paris, at the Academy Julien under Chapu, and the Atelier Falguiere, at the Ecole des Beaux Arts. During the course of these years of study, Mr. Flanagan was awarded many coveted prizes, and acted as an assistant to MacMonnies on his fountain for the Chicago World's Fair of 1893. Since then, he has received commissions for many medals, portrait busts, and other works, among the best known being the Brinton Medal, the Langley Memorial, and the Hudson-Fulton and Penn-

sylvania Society medals. Several of Mr. Flanagan's medals have been acquired by the Musee du Luxembourg, the Metropolitan Museum, New York, and recently by the Museum of Fine Arts at Ghent.

A PHILADELPHIA SURPRISE.

The Aaron Ward while not exactly a new rose is practically unknown in this locality and when Mr. Hill showed us some fine flowers of it at the last Florists' Club meeting, most growers were not only pleased with it but astonished to hear that it had become quite a factor in commercial lines in several cities—notably Boston, where it is grown extensively. We think there will be a lot of Mrs. Aaron Ward planted around here this season, as it is a revelation to all and a most charming variety. The color is coppery orange in the bud changing to fawn when fully open, and the form is the most refined and charming of any rose extant—in fact, it appears to the writer to be unique in its perfection of form. A beautiful rose that one falls in love with instantly. We congratulate Mr. Hill on this lovely thing and are surprised that he has not been up to Philadelphia long ere now to tell us about it and book a lot of good orders.

GEORGE C. WATSON.

The Michigan State Horticultural Society meets this week at the Bell Opera House, Benton Harbor, Mich. Prof. H. J. Eustis of Lansing, formerly with the department of agriculture, will talk on apples. Prof. M. D. Waite of the U. S. Dept. of Agriculture will discuss "A sulphur series of spraying mixtures," and Prof. L. R. Taft of Lansing will talk on commercial insecticides and their control. Prof. A. J. Patten of Lansing will also be one of the speakers.

THE MISSION OF BEAUTY.

(Paper read Dec. 6th before the Minnesota Horticultural Society at Minneapolis, by C. S. Harrison.)

The fullest development of race gives the highest development of art, taste and beauty. The rich man puts millions into his residence. The skill of the architect is exhausted on those costly adornments. This is a prophesy of that future when we will all be rich and each one will have an eternity lease of a mansion adorned with the high art of God.

As the great Horticulturist gave a charming covering to the apple, the peach and the pear when created, so after He made the world He threw over it a mantle of splendor. Who can describe the charm of the old ocean or the grandeur of the mountains glinting in the effulgence of the sunlight? Even the cold North has a lure of beauty where the stately Aurora with fingers of light paints those curtains on the distant sky as if all the colors of the stars were thrown on the canvas. There is a fascination when the vast northern prairies of the Arctic are a-bloom with a beauty no pen can portray. There is hardly a spot on this earth but what has its attraction. Travelers on the Sahara speak in raptures of the iridescent glow which trails its glory over sandy plain and rocky mount. The Arab loves his barren land, drawn there by attractions he does not find elsewhere.

What is the mission of all this finish which God has given to his work? Beauty is for immortals. You cannot interest your horse or dog or cow in a flower garden or a sunset. It is food for the soul and is as necessary for our higher natures as is food for our bodies. Nothing is made in vain. The creation of beauty on such an extensive scale on the earth and in the universe implies its need. Watch the progress of fruits. Down in the Arnold Arboretum of Boston you see the half-dozen original apples varying from the size of the currant to that of the cherry. Mothers and fathers are these of the luscious fruits of today. God took great pains to give us the foundation of beauty in the flowers. He turned single specimens over to us and said: "Be co-workers with Me and double them," and we did. What vast families of transcendent loveliness adorn the earth today! A garden of flowers is as necessary to feed the soul as a garden of fruits and vegetables to feed the body.

Acquaintance with the beautiful gives refinement. Association with the pure and lovely in nature changes the hoydenish girl into a lady. The boy instead of becoming a boor is a gentleman. The wickedest Amazon in Chicago, as terrible as a tigress to the police, became as a little child with the gift of a charming bouquet of

roses. The soul of the poor invalid is cheered by a tribute of love in the shape of flowers. There is an inspiration which comes to us in the presence of the great procession of beauty, each vying with the other to put on the fairest gala dress to please us. A family well-fed will show it in health, strength and comeliness. A soul well fed will also show it in an undefinable grace and symmetry.

Here is a farm, the front yard a hospital for disabled machinery—no adornment whatever. All around the dull grind of toil. The whole place a great pasture for raising slouch. Here is another. Five acres of the 160 are set aside for adornment. Here are the silver-robed trees of the Rockies, the stately Concolor and in the background the sturdy Ponderosa. There is a Black Hill spruce in charming symmetry. There are the ornamental shrubs—the great family of syringas, lilacs, spiraeas and viburnums. There a pair of great tree lilacs with heads adorned with immense clusters of bloom, stately and imposing. There are beds of peonies with their witchery of beauty. Masses of iris which seem to unite the beauty of two worlds. There are great beds of columbine with the harmonious blend of loveliness. The phloxes come in to carry the procession down to the hard frosts of autumn. That five acres is worth more than the other man's farm.

You plant trees and God glorifies them. The orchard is a garden of fragrant flowers in spring time and in autumn you have the fascination of beauty in the fruits, blushing in their leafy coverts, and in the blending of the red and the gold. Green is the universal cover. It is refreshing and restful to the soul. Frost comes and touches shrubs and trees, forests, mountains and plain and what a change! Earth's grand landscapes are glorified by the brushes of unseen artists and you have a rich and fascinating riot of loveliness a witchery of charm. How rich those tints and shadings! The whole earth seems in a second spring time and in a wild rollicking abandon of loveliness—all in gala dress just before the solemn lent of winter.

This earth is the porch of another. To some of us who are nearing the border there comes the foreshadowings of the glory to be revealed. The universe in its vastness is planned along the lines of beauty. Systems, suns and stars all have their imperial adornment. God's capital is the climax of the art of Him who wove the mantles for the stars, tinted the petals of the flowers, and painted the bow of hope on the brow of the storm. So let the beauty of earth be prophetic of the life beyond.

The Commercial Side of Beauty.

Talk with the average man about home adornment and he will tell you there is no money in it. Never was there a greater mistake, and it is sad to think that one of the greatest sources of wealth should be overlooked. We lose millions on millions every year from this narrow view of things. Beauty and symmetry bring the highest price. Here is a horse. He may have speed and endurance but he lacks style. He looks like a common plug. Put him on the market and with all his good qualities what will he bring?

Here is another, no faster, no stronger, but what a splendid bearing he has! See those flashing eyes, those distended nostrils, that arched neck. He prances along as if stepping on the clouds. In Burlington, Vt., I saw a matched team that sold for \$40,000. \$39,000 was for beauty. How is it with cattle? Here is a scrub. How much will he bring? Just the price of the lowest grade of beef. Here is a registered short horn, perfect as if run in moulds—his symmetrical form laid out with square and compass. How is it with fruits? Raise an apple with the shape and color of a potato and can you sell it? Instinctively the eye must be fed as well as the stomach. Color enhances the value of the Wealthy and Jonathan.

Well, here is a man well-equipped mentally for his work. He goes out to find employment without putting on any finishing touches. He wears a slouch hat and the well-worn clothes of a common laborer. Will anyone take him? Let him make himself presentable—be well dressed and modern in his make-up and his very appearance is in his favor. Two girls of equal ability start out to find places as typewriters. One dresses like a washerwoman and wears a frown. She looks a long time for a place and cannot find it. The other, though not extravagant, is neat and tasty in her dress and wears a smile which glorifies her face to the value of several hundred dollars and all the doors fly open before her.

More and more the world regards the value of a pleasant and cheerful countenance. It is the finishing touch of both personality and character. In one of the dining halls of Omaha there was a lady with such a cordial and welcoming smile that we used to go in for that as well as for the meals. It was a cure for loneliness and homesickness. There is a difference between a smirk and a smile. One is a made-up affair; the other is spontaneous. When God made the world He looked it over and was pleased with it and called it very good. The beauty of the flower, the charm of the landscape, the glory on the gates of the morning, the splendor of the sea and the sublimity which sits upon the mountains are all the smiles of God, crowning His finished work.

You men of the Northwest have done wonders in calling fruits out of the unknown to adorn your farms and give cheer to the people. But just before you there is a vast empire which has hardly been explored. Minnesota is a grand state. I can't get over my early love for it when in 1857 I settled here when it was in its virgin loveliness—Minnesota, "land of the sky-tinted waters."

It is the duty of the farmer to have a home which will not be as a plague spot on the face of nature, but which will match the splendor of God's out-of-doors. His singing brooks, sparkling lakes, noble forests, and wonderful flower gardens His own hand planted and those marvellous sunsets when He hangs the mantles of the stars as curtains in the west to shield the retreating day.

You have been too much afraid of your own grand state. You have not dared to trust her. But I want to tell you one thing, her soil and climate are better adapted to raising beautiful things than any of our western states. I have

watched this thing for years. We have an interest in one of the furthest north nurseries at Paynesville, under the care of Frank Brown. Every year I come up here and take note of things and, though at York, Neb., we have by far the largest collection of ornamentals west of Chicago, yet every time I visit Minnesota I am ashamed of Nebraska, and if I was not too old to transplant I would be with you. There is no limit to what you can do. Art can match nature and you can have right here Elysians of beauty scattered all over this northland. Your vigorous winters would have their compensation in gardens of delight and landscapes unsurpassed in loveliness.

It is the duty of the nurseryman to proclaim the evangel of beauty. They tell us there is no call for these things. Then make a call. How did you make a call for fruits? By faithfully pounding facts into the people and by demonstration. Now enter and conquer this new field. The calling of the nurseryman is larger than the dollar, yet incidentally there are more dollars in it than in any other line of horticulture. You can raise lilacs by grafting on the ash. You raise syringas and spireas by divisions and cuttings and you raise perennials from seed. Take the iris with its beauty you cannot translate into language. You are baffled in trying to describe its winsomeness. There are 500 varieties, reaching from early spring until August. They are not expensive and we often get 20 to 30 divisions from one plant in two years. Peonies should double every year. Phloxes should bring in fivefold each season. You will soon get sick of the lubberlift when you can only get \$25 in a great nursery box and you can put the same value in a package you can take under your arm.

You should have your grounds stocked with all the beautiful things which will grow here. Get acquainted with them yourself and have your agents familiar with them. There should be a committee appointed to give a campaign of publicity, furnishing articles for our agricultural papers and also for the dailies and weeklies scattered all over the land, to show people just what they can do. Warn them against sending thousands of dollars east every year for things which cannot grow in the west.

What fortunes have been hidden in single flowers! One carnation, they say, sold for \$30,000 and that was the beginning of its value. The peony *Festiva Maxima* has been worth a million. The American Beauty rose has been worth as much more. Talk about mining! Why, the delightful fields of nature are richer than the mines of Golconda. There is much yet to be done, new discoveries to make and you may be the one to bring out of the unknown treasures not yet seen by mortal eyes.

You can take a piece of sombre earth and give it the beauty of the rainbow, the brightness of the stars and the splendor of the sunset. You can be co-worker with God and it is a shame to sit down supinely and do nothing in the midst of such superb possibilities.

Let this be your motto—have it engrained in your soul:

Beauty is wealth. Raise a lot of it and be rich.

SPRING BEDDING.



The accompanying picture shows a spring garden scene in the grounds of the D. Willis James estate at Madison, N. J., which is under the charge of William Duckham. The effectiveness of the May flowering tulips in associa-

tion with pansies, daisies and other spring flowering bedding material is well displayed. The gardens under Mr. Duckham's care are interesting and well worth a visit at any season of the year.

SWEET PEAS.

A Paper Read Before the Detroit Florist Club by Fred. Pautke.

Seed.

It is very important and has much influence on the future growth and crop of sweet peas to have good, ripe full-grown seed and if possible every grower should raise his own seed of the approved varieties in a well-prepared soil very thinly (I recommend fall sowing). After they are up, support them well so the vines will not lie on the ground; it will keep mildew off. Don't cut any flowers from those; and the seed will be ripe in the latter part of July or in the first part of August, ready for the winter's sowing in the greenhouse. Don't try to save any seed from left over greenhouse-grown flowers, as the vitality is not very great and sickly looking plants will be the result.

Soil.

Any soil which will grow chrysanthemums, carnations or roses is suitable. Use well-rotted cow manure and plenty of it. After the plants have a good height and are growing well, use once a week nitrate of soda diluted. I have grown sweet peas seven years in the same soil with good results and I am trying again for the eighth year and the plants look very promising.

Planting.

The time for sowing the seed all depends upon when crop is wanted. The first sowing for a good Christmas crop in our climate should be made in the first part of August. They will start to bloom first part of November and will give good long-stemmed flowers for Christmas and will bloom all winter. For April, May and June crop, sow in December and January. Put from three to four seeds six inches apart, two inches deep, and let the rows be three feet apart, on raised

benches; the planting can be a little closer. Keep the soil well moist in hot weather; cover the ground with paper and in eight days the seeds will germinate. White seeded varieties should be sown outdoors in cold frames, dropping five or six seeds close together. Cover same with shaded glass till they are up and then give full sunlight, and in three weeks you will have better results than from sowing in little pots.

Culture.

It is very important to keep the plants till they are about six inches in height on the dry side, as too much water will surely cause stem rot. Be sure and give them support right from the start. As soon as they show good growth give more water; never neglect to give all the air possible day and night to insure a sturdy growth; be careful about night air in late fall to prevent mildew.

Insects and Diseases.

The biggest enemy of the sweet pea is the red spider, which will attack it in its early growth and, if not checked, will soon destroy the plants. The best remedy is a spray with nicotine solution every two weeks and the spider never gets there, which also will keep the aphids and other insects in check; keep a sharp lookout for the green caterpillar which will chew off whole branches and which appears sometimes in great numbers. The only remedy here is hand picking. There is another aphid which goes in the ground and attacks the roots. But I cannot say how big the damage is, as I have not had any experience with it. In diseases, stem-rot and mildew are the most common. Stem-rot can be prevented by being careful with water and air when the plants are young and not too close planting. For mildew use flower of sulphur. Lately I have

noted, especially in the young stage, that some of the leaves were turning yellow and the plants have a peculiar color, finally losing their leaves and dying off. I traced this back to inferior and poorly developed seed and if you don't look out for good seed the raising of good flowers will be a difficult matter.

Marketing.

If you have by good culture and care succeeded in producing good flowers it is now important to deliver the same to your commission house or customers in the pink of condition. It is most necessary to bunch separately any flowers which have changed a little in color as those will if mixed in with the good flowers, soon spoil the whole bunch; furthermore, tie your bunches on the bottom end of the stems so that they will be loose, and crushing flowers will be avoided. Never have any water on the flower itself as they soon get spotted and lose their fragrance and are unsalable. It is much better to ship your flowers without their having been in water. The commission man will attend to them. There is no flower so popular as the sweet pea and it is most necessary for an up-to-date florist to have always a supply on hand, as they can be used for all occasions. We have now a great variety of winter blooming sweet peas and it is not necessary for one to name all the varieties. Sweet peas well grown and in good colors will repay well for the attentions and work they require.

BULLETIN OF FOREIGN PLANT INTRODUCTIONS.

New Plant Immigrants.

Amygdalus communis. (Rosaceae.) 28801-802. Seeds of two varieties of almond from Batoum, Caucasus, Russia. Said to have come originally from Persia. No. 28801, a very small almond, but with thin shell and of good flavor. No. 28802, a large almond with a very hard shell. (Meyer's introductions.) For distribution later.

Canarium luzonicum. (Balsameaceae.) 28810. Pili nut from Neuva Caceres, P. I. Presented by the Hon. P. M. Moir. "These nuts grow in the southern part of Luzon and nowhere else in the Philippines. The tree is quite large and fairly pretty. The nut is the richest in flavor of any nut I have ever eaten, and all the Americans in the Philippines think it the finest nut grown. When the nuts are roasted if you touch a lighted match to one it will burn like a lamp, it is so rich in oil." (Moir.) For distribution later.

Corylus avellana. (Betulaceae.) 28803. Seeds from Batoum, Caucasus, Russia. A hazelnut called Trepizond. A very popular variety and much grown in this section of the Caucasus. (Meyer's introduction.) For distribution later.

Solanum maglia. (Solanaceae.) 28731-732. Mutations from wild potato tubers raised by Dr. Edward Heckel, Director, Botanic Garden, Marseilles, France. Fourth generation. For distribution later.

Pisum arvense. 28114. From Mr. Jose D. Husbands, Limavida, Chile. "Stringless peas, whose extra large, sweet, thick pods are edible like green bean." (Husbands.) For distribution later.

THE MISSION OF THE TRADE PAPER.

Robert Kift, before the Florists' Club of Philadelphia, August 2nd, 1910.

If an interesting event occurs and one cannot be there to see for himself the next best thing is to read about it. We put on our long-distance glasses, so to speak, and are enabled through the written story to be almost present, to see in our mind's eye the important features and, in addition, have a record that oftentimes would escape us, or perhaps be entirely forgotten.

The Trade Paper, published for and in the interests of the florists and kindred industries, the medium that enables us to do all this and more, came into life with the advent of the Society of American Florists in Cincinnati, twenty-six years ago. The pioneer was at first a small sheet and appeared daily, containing the doings of the Convention. It was afterwards issued as a semi-monthly journal, devoted to the various branches of the flower and plant-raising industries. From the first it was successful and full of interest for the wide-awake men of the business. They found in its pages the best thoughts of the men who were leaders in their special lines, and were not above giving their experiences and helping in this way to further the work of their fellow-craftsmen. In due time the semi-monthly became a weekly with a circulation that reached to every part of the country.

In journalism, as in every other field of human endeavor, there is competition, and in time others came forward, offering their services and asking for an opportunity to show what they could do toward advancing the good work. From time to time the number of these publications increased, until at this date there are five in this country and one in Canada, all exclusively for, and issued to the trade only. All have but one mission, that of furthering the business of the florist and allied interests, each hoping to obtain a share of the reward that comes to every well-planned and managed enterprise, and their growth in volume and efficiency as they have catered to and received the support of the craft has been most gratifying. Able editors have systematized the work, providing departments over which preside men who are well known experts in their lines and imparting information that is invaluable to the grower. The very important matters of greenhouse building and heating are handled by men of large experience, and there is no undertaking in this line showing an advance or possible improvement but is described in detail for the information of the trade. Many successful men, in all branches

of the business, whether from diffidence or lack of time cannot be prevailed upon to prepare essays or papers, but in some instances will submit to an interview, and in this manner much valuable information is obtained and spread broadcast that could not reach the craft in any other way.

There is no question but that their efforts in this line have a distinct uplifting tendency. They present everything interesting, of an educational nature that has merit. The papers that are read at the various conventions during their annual meetings, and at the monthly gatherings of the Florist Clubs and Horticultural Societies are all given, and in many cases reporters are present, even at the minor events, to see that nothing of importance transpires that is not recorded for the benefit of their readers. Photography, which now plays such an important part in journalism, enables the writers to illustrate their articles, in addition to their word pictures, with an image so natural that it is at once satisfying. If a new greenhouse structure is described, a photograph, so real, shows more than a written story. Should the subject be a new rose or carnation, the intelligent grower will be able to at once judge of its merits or demerits from the photographic reproduction. Something extra fine appears in the market, the product of a modest grower. He is hunted up and the fact that such results may be obtained is given to the interested public with probably a photograph to prove it.

One of the strong features of the trade journal is to be found in the social columns. Here is a record of events of a more or less personal nature. "All work and no play makes Jack a dull boy" and here the "boys" are followed in their various outings and social gatherings in a manner that makes very pleasant reading for all of us.

The passing away of those whose life work has been one of devotion to their chosen profession, and who have been more or less a factor in its progress is always fully chronicled, and a record made of their achievements.

Probably the most valued of all the features of the trade journal is to be found in its advertising columns. Here in an open market the best products of the country are displayed. Are you thinking of building? Dozen different firms are there with the materials, anxious to furnish plans and estimates. A selection is made and almost before you realize it the house is up. Your heating plant is defective, or worn out. The active boiler men are seen with generators of all patterns and sizes that are more than ample in their variety and at such prices and terms that a bargain is soon made. It will soon be time to plant, a new variety is to be tried, or there is not enough of your own stock of an old favorite to fill the houses. A glance over the market shows a surplus here and there, and enough is soon picked up for the work. Is it bulb time? The stalls are seen piled high with fresh stock, quotations of prices and quality are fairly shouted by the eager tradesmen, so anxious are they for your valued order. The centre of the market is taken up with palms and ferns. What a wonderful assortment is seen, all kinds, all sizes at all prices, spread out be-

fore the buyer in such a competitive way, that the wise man picking out the bargains jumps in quickly and makes his selections while the stock is full and complete. The storekeeper is in need of supplies. He turns to the stalls in the market and just what he wants is seen displayed, or is hurried to him from the factory by the first express. He has a hurry up order for flowers and nothing in sight around home; he is in a quandary. But a look shows him a score of men in this wonderful market, standing 'phone in hand, and the box of roses that so much depends upon is off to the depot in a jiffy.

And so it goes all along the line. The one hundred and one things of every day use are to be found in quantity in this greatest of all markets. There is no compulsion to buy, but if you see what you want and the price is right you take it. Strange to say there are stall holders in this market who declare it does not pay. Well, we have all seen stocks offered in such a way that attracted few, if any, buyers. Most goods have to have extraordinary merit to sell themselves. To secure attention the display must be bright and attractive. It must be changed frequently to catch the eye. Goods allowed to get dusty and shop worn are bought only by people who need them and cannot at the time get anything better. Few men will spend their money without being sure of receiving fair value in return, but many will eat up expensive advertising space and secure little or no nutriment whatever. Buying and selling in this market does pay as is evidenced by the men who are seen there constantly and who are recognized as leaders in their special lines. My treatment of this subject may seem a trifle too ideal, but the facts as to the results are not in the least exaggerated.

The publishing of a trade paper, like other ventures requiring capital and good business management, depends for its success on the measure of its service. To get the best, the best must be given, and in the efforts to produce such results the standard is constantly being raised. Each achievement, however great it is considered at the time, but opens the way for something better. The work is never done. Each issue is complete in itself and it requires more effort than the

AN EFFECTIVE SUB-TROPICAL BED.



The accompanying illustration shows a handsome bed of foliage plants and grasses in one of the Minneapolis parks of which Theodore Wirth is

superintendent. The material used with such good effect is *Musa*, *Ricinus*, *Arundo*, *Eulalia*, *Pennisetum* and *Caladium esculentum*.

average reader realizes to have it on time and ready for his weekly mail. Every number received is a mental treat, to be read at the time and filed away for future reference. Unfortunately their value in some cases is not always appreciated, and we see them used to line boxes, wrap plants and put to other plebeian purposes. Copies of the weekly issues bound in annual volumes present a history of the country that is invaluable for reference and highly prized by those fortunate enough to possess them.

We can look back for twenty-five years and see the growth and expansion of the business which has indeed been most wonderful, and, when the various agencies that have contributed to this advancement are considered, we feel sure that the trade journal will be found to have been one of the most important factors.

DURING RECESS.

New York Bowlers.

The New York bowling team filled an engagement at Astoria last Thursday evening. The Astoria team filled them with good things and then slaughtered them in approved Astoria style and the sound of the conflict was heard afar off. With John Donaldson's merry bunch it will be "argument for a week, laughter for a month and a good jest forever." They look upon the squad from across the East river as very easy marks. Here is how the score looked:

ASTORIA.			
Donaldson	167	210	186
Einsman	191	167	150
Lorenz	157	146	127
W. Siebrecht	164	166	152
Doerhofer	150	147	127
Miesem	203	146	176
H. Siebrecht	—	183	158

NEW YORK.

Manda	127	159	104
Scott	104	109	118
Smith	155	126	131
Shaw	112	152	129
Fenrich	150	146	165
Chadwick	210	158	190
Kleinman	—	129	159

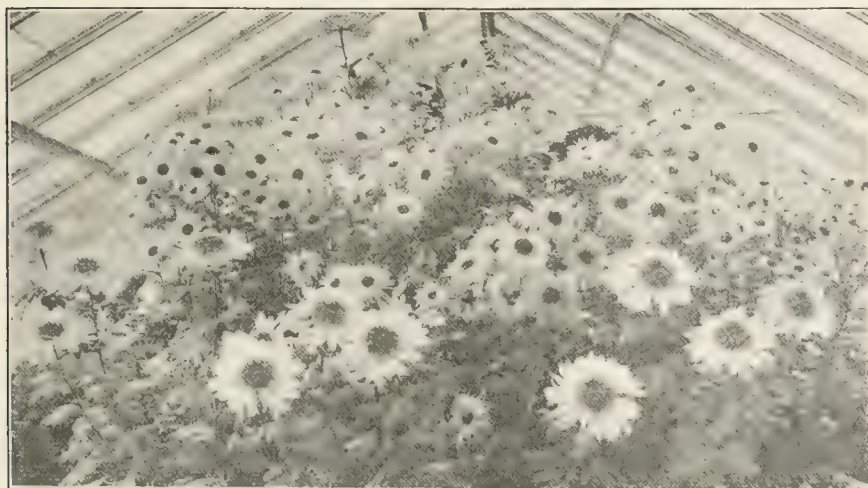
On Friday evening, Dec. 2, the New Yorkers practiced on their own alleys with results as follows:

Manda	208	156	169
Berry	111	125	123
McArdle	151	105	121
Kakuda	93	161	132
Nugent	84	107	140
Shaw	156	123	128
Marshall	180	149	142
Irwin	163	168	197

Cincinnati Bowlers.

The bowling club met at Finke & Craig's alleys, Monday, Dec. 5th. The following are the scores:

	1st	2nd		1st	2nd
C. Critchell	167	191	L. Fritz	159	116
A. S'drb'ch	183	113	T. Jackson	147	156
Ray Murphy	109	168	E. B'ssm'y'r	108	100
O. H'm'st'r	128	136	E. W'trst't'r	178	175
C. H'm'st'r	135	106	G. Gotzhard	133	113
Al. Horn'ng	155	157	James Allen	158	145
L. W'trst't'r	131	135	Ben George	123	112



Single Chrysanthemums at Minneapolis Park Greenhouses.

ANNUAL REPORT OF THE SECRETARY OF AGRICULTURE FOR 1910.

This document, presented to the country by Secretary Wilson on December 8, is, as usual, full of absorbing interest and information regarding the greatest of our national industries. We should like to devote much more space than is at our disposal to extracts and notes and would urge upon our readers the advisability of procuring a copy of the complete report and giving it a thorough perusal.

The Secretary tells us that nothing short of omniscience can grasp the value of the farm products of this year. At no time in the world's history has a country produced farm products within one year with a value reaching \$8,926,000,000, which is the value of the agricultural products of this country for 1910. The value of farm products from 1899 to the present year has been progressive without interruption. If the value of the products of 1899 is placed at 100, the value for this year is 189, or almost double the value for the census year eleven years ago. "During this period of unexampled agricultural production, a period of twelve years, during which the farmers of this country have steadily advanced in prosperity and wealth and in economic independence, in intelligence, and a knowledge of agriculture, the total value of farm products is \$79,000,000,000."

The corn crop of 3,121,381,000 bushels exceeds that of the record year of 1906 and is greater than the average crop of the preceding five years by 14 per cent. While the value of this corn crop is below that of 1909 and also of 1908, its amount belongs to stories of magic. It can hardly be reckoned as less than \$1,500,000,000, a sum sufficient to cancel the interest-bearing debt of the United States, buy all of the gold and silver mined in all of the countries of the earth in 1909, and still leave to the farmers a little pocket money.

"The corn crop is a national asset in more than one sense. It is not merely wealth in existence for the time being, but it is an asset of perpetual recurrence. Year after year, throughout the ages, a stupendous amount of corn with incredible value can be produced."

All of the cereals except corn are together worth only three-fourths as much as that crop. The great allied iron and steel industries had, in the latest census year for which results have been published, 1904, a production worth only 60 per cent. of the value of this year's corn crop.

Forest products to the value of \$85,054,602 were exported in the fiscal year 1910, an amount exceeded only in 1909 and 1908. The imports of these products consisted mostly of india rubber, wood pulp, pulp wood, and woods not grown in the United States; the value of all imports of forest products in 1910 is \$179,610,886, which is by far the highest annual value of imports.

Fumigation and Spraying.

The Bureau of Entomology has been of great service to the citrus-fruit growers of California and Florida by

its investigation of hydrocyanic-acid gas fumigation. In the former State the work has been directed against scale insects, while in Florida the efforts have been directed against the white fly. Much attention has been given to various spraying methods with satisfactory results.

Inspection of Nursery Stock.

Inspection of nursery stock imported into the United States from foreign countries has been an important item in the year's work. Much of this stock destined to many of the States and the District of Columbia, when inspected, was found to be seriously infested with brown-tail moths, or other injurious insects, and nearly 300 such shipments have been destroyed. Through the efforts of this Department some of the offending countries have adopted inspection methods, and their shipments are likely to be less dangerous in the future.

Reforestation Drawbacks.

In attempts at reforestation of the treeless areas of our national forests by the Forest Service it was found that on an average half of the seed was dug up and eaten or carried away by mice and chipmunks. Attempts to poison the animals, however, have proven very successful. Oatmeal mixed with strychnine and water, or wheat coated with hot tallow mixed with strychnine as a protection against rain or moisture, proved very effective. The poison should be distributed several days in advance of the seeding.

Oil-Cement Concrete.

An important investigative work during the year has been the development of an oil-cement concrete, and from results already obtained the experiments indicate that it would be practical to use this material for floors, cellars, foundation walls, tanks, silos, manure pits, and similar construction, where strength, solidity and waterproof qualities are required.

Production Per Acre Overtaking Population Increase.

Production per acre is beginning to overtake increase of people, declares the Secretary of Agriculture, in discussing one of the features of his report. "The evidence is very plain that the yields per acre of our crops are now increasing, and if the facts were assembled in detail for the States it would be found that the percentage of increase in yield of many of them is greater than the percentage of normal increase of population—that is, the increase of births over deaths in the old native element."

Interesting Plant Discoveries.

An agricultural explorer of the Department has spent the year exploring the plant resources of southwestern Asia. Among the large number of interesting things he has secured is a variety of alfalfa from Erivan, which is said to be longer lived than the Turkestan; a species of Medicago from an altitude of over 4000 feet, which is already being utilized in the work of creating new hybrid alfalfa for the Northwest; a wild almond from the Zarafshan Valley, found growing on the dry mountain sides at an altitude of 6000 feet; a drought-resistant cherry for home gardens in the Northwest; and a collection of apricots with sweet kernels from Samarkand; the Afghasian apple and special varieties

of pears for trial in the Gulf States; some remarkable olives, which have withstood zero temperatures and still borne good crops of fruit; late and early varieties of Caucasian peaches for trial in the Southwest; seeds collected in the Caucasus from wild plants of the true Paradise apple, which is used as a dwarf stock for the purpose of obtaining seedlings not infected with crown gall; scions of a newly produced crab apple, reported to be a better keeper than American crab apples; the Slew Abrikose, a variety of apricot with a skin as smooth as that of a nectarine; a remarkable drought-resistant poplar for the Middle West; and a wild strawberry, fruiting at the end of February on the dry calcareous cliffs of the Caucasus.

Fruit Disease Investigations.

The investigation and study of fruit diseases have been vigorously pushed and have shown a healthy progress. The destructive tumor disease of limes and other citrus fruits has been shown to be of fungus origin and attacks oranges as well as limes. The new methods of spraying with sulphur compound worked out by the pathologists of the Department has been widely adopted by apple growers. The investigation shows that fine fruit can be produced and protection secured against fungus diseases without the injurious effect resulting from copper compound. Bordeaux mixture is still being used, but in the spraying of apples it has taken second place. Special attention has been given to experimental work in perfecting the method of using the new sulphur sprays for the fruit spot and leaf disease. As a result, fruit growers who have used the new sprays have secured fine crops of the best apples they have ever grown. Spraying has very largely prevented the fruit spot and leaf disease known as cedar rust, or orange rust, prevalent in the Blue Ridge and Allegheny mountain district from Pennsylvania to Tennessee. The peach growers of Virginia, West Virginia and Georgia have been prompt to adopt the discovery of spraying with self-boiled lime-sulphur for brown rot and scab, which has resulted in the removal of some of the factors which rendered the growing of this fruit uncertain. The pear blight eradication methods have been in extensive use on the Pacific coast.

Work Against Gipsy and Brown-Tail Moths.

Much space is given in discussing the work of the Bureau of Entomology to the important work that bureau has done during the past year in its effort to control or eradicate the gipsy moth and the brown-tail moth. The infested territory covers all the New England States excepting Vermont, and the Department, working in co-operation with the authorities of those States, has met with gratifying success. Conditions there are largely improved.

Importation of Moth Parasites.

The Bureau of Entomology has been largely aided in its campaign against the moth family by the importation from abroad of moth parasites. The results from their importation have not been entirely satisfactory, yet they are sufficiently so to justify further work along these lines.

CARNATION HOUSES AND SELECTION OF VARIETIES.

Extract from a paper by W. T. Bell.

In regard to the style and size of planthouses for the proper cultivation of carnations, ideas differ; and will continue to do so; although at present the tendency seems to be in favor of longer and wider houses; but some of the finest carnation flowers that have ever been produced were grown in narrow houses, so narrow, indeed, that in some cases they were wide enough for but one narrow bench; but the man who grew them was careful not to allow the ventilating sash to remain unopened during the whole of a bright sunny day, nor to neglect the watering until the plants hung their heads from thirst. While good-sized houses well lighted and conveniently arranged are very desirable, success does not depend so much on the style of house as on the style of men in charge of it. Houses three hundred feet in length should be long enough for any reasonable man, and equal-span houses running north and south do very well for growing carnations in.

The number of varieties that are grown with profit at the present time is so great, and is being so persistently added to, that it seems unnecessary to specify them or to say which are the most profitable; and the beginner in the business will do best to consult some successful grower on this point; and, after having had some experience, to add to his stock for the purpose of testing some of the most promising of the new introductions, and retain those that prove to be desirable. Notwithstanding the very many fine sorts that are now cultivated, better kinds than are now in existence will be warmly welcomed when they appear, as they undoubtedly will; and this prospect opens a new field to the thoughtful carnation grower—the production of new varieties. He may be fortunate enough to have a sport or variation from an existing kind originate on his premises, which is a short cut to the point aimed at, for which he will deserve no particular credit; but from which, if it is a decided improvement in color, size or habit, over those now grown, he may derive a considerable profit.

The most promising way to proceed, as well as the most interesting, is to resort to cross-fertilization, usually called hybridizing, which term is in this instance incorrect; as a hybrid is the result of a cross between different species of the same genus; while the various kinds of carnations, as we grow them, are simply different varieties of the same species. He will select for his experiments in cross-

TWO NEW CARNATIONS FOR 1911

WHITE WONDER

A 1906 Seedling of White Perfection and the largest and most productive white variety we have yet produced. A white carnation for every grower.

GLORIOSA

An attractive and pleasing shade of pure light pink. It is darker than Pink Delight without the salmon cast and the color is distinct from any Pink variety in commerce.

We consider these the best varieties in their colors we have yet introduced. Both are up to the high standard of quality and strictly commercial in production of blooms.

Our very large stock will give us quantities of good select cuttings early and throughout the season. Notwithstanding our large sales of over 200,000 rooted cuttings we are prepared to take good care of your order if placed now.

Price of Rooted Cuttings { \$12.00 per 100; \$100.00 per 1000
2500 for \$237.50
5000 for \$450.00
25 at 100 and 250 at 1000 rate.
For larger quantities prices on application

ORDERS BOOKED NOW FOR DECEMBER AND JANUARY DELIVERY AND LATER

	Per 100	Per 1000		Per 100	Per 1000
Pink Delight.....	\$6.00	\$50.00	Golden Ray.....	\$6.00	\$50.00
Scarlet Glow.....	6.00	50.00	White Perfection.....	3.00	25.00
Shasta.....	6.00	50.00	Winona.....	3.00	25.00
Sangamo.....	6.00	50.00	Enchantress.....	3.00	25.00
Dorothy Gordon.....	6.00	50.00	White Enchantress.....	3.00	25.00
J. W. Riley.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Admiration.....	6.00	50.00	Beacon.....	3.00	25.00

OUR SPECIALTY IS STRONG WELL ROOTED CUTTINGS OF CARNATIONS. WE SUPPLY THE BEST.

F. DORNER & SONS CO., LAFAYETTE IND.

A Grand New Carnation BRIGHT SPOT

Outclasses everything heretofore grown in the dark pink class.

Won first honors in the 100 class for best dark pink at the A. C. S. Meeting, Pittsburgh, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, \$12.00; price per 1000, \$100.00; price per 5000, \$400.00; 25 at 100, 250 at 1000 rates. Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee, Wisconsin

breeding, parent kinds that seem to combine the qualities he desires in the looked-for progeny; and after growing and testing a few thousand seedlings, he may be rewarded by the production of a prodigy, which may indeed result from the very first pod of seed produced; and when he has bestowed on it a plain short name, somewhat descriptive, if possible, and sold the stock or a portion of it, for \$10,000, be the same more or less, he will probably feel repaid for the time and trouble expended on its production; and if his efforts do not result so profitably he will, at least, be repaid in a measure by the interesting experience he has had.

The intelligent, observant and care-

ful grower of carnations will soon be able to distinguish the different varieties he cultivates from each other by inspection, guided by differences in appearance and habit that cannot be described in words; and possessing this faculty, if mixtures occur in his stock, as they may, he will be able to identify and name the interlopers. He will find the work in its variety both healthful and interesting; and, if located within reach of a good market, profitable as well. He may also, as a result of experiments, discover some improved methods in the culture and care of his stock that will be of general interest and benefit; and having done so, will of course report the same to the American Carnation Society.

EARLY CUTTINGS

125,000 NOW READY

Enchantress, Perfection, Beacon, \$3.00 per 100; \$25.00 per 1000. Rose-pink Enchantreas, White Enchantress, Winsor, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

J. D. THOMPSON CARNATION CO. : : ; JOLIET, ILL.

RARE PLANTS FROM CHINA

See our Spring Catalogue for
1911, ready January 1st, for

REAL NOVELTIES

in Shrubs, Vines and other plants.

R. & J. FARQUHAR & CO.

6 & 7 South Market St., Boston

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd.

American Nursery
Bagshot, England.

EUROPEAN NOTES.

Arbor Day in England.

Tree planting is to become common in the British Isles, the idea being copied by certain villages and small towns from the United States. Considering the scarcity of timber trees cultivated in a proper manner, and less with the intention of game rearing, which appears to be that of the landed gentry, arbor day would undoubtedly answer a very useful purpose in the lapse of time, and under intelligent management. The inhabitants of the pretty town of Eynsford in Kent celebrated the festivities connected with planting trees on Saturday, November 5, with much enthusiasm. Mr. E. G. Till, who was the chief mover in the matter, was on this occasion supported by Sir John A. Cockburn, late premier of South Australia, and Mr. J. Henniker Heaton, M. P. The event was associated with a show of fruits, vegetables and flowers.

Eynsford has had its arbor day for several years, with excellent results as regards the aspect of the town as a whole and its healthiness. The place

enjoys the advantages of having the long established nursery of Messrs. Cannell & Son in its midst, as well as at Swanley, a village about two miles distant.

Dahlia Rhemkonig.

This new variety originated from a seed capsule of D. Parsival, and it possesses the freedom of its parent in flowering. What distinguishes the novelty in other points are the constancy of the typical German show dahlia form in every bloom, the shining snowy whiteness and the pleasing durability of the flowers in the cut state. Wherever shown in the past autumn the flower found much admiration, and when observed on the plant in closely planted groups the plants were with their snowy flowers very attractive features.

Common Salt in Peach Culture.

During many years' residence in China, in Tong-kee, in the province of Petschili, close to the sea, writes Carl Heine in Die Gartenwelt for November 12, he had under his observation extensive plantations of peaches which at high tides were overflowed by sea water, so that the soil was quite saturated with it. The trees were planted on hillocks in rows 10 yards apart and at a distance of 5 yards from plant to

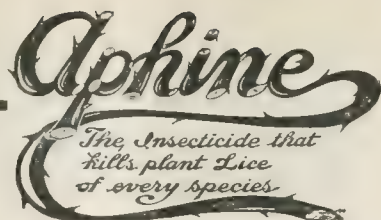
plant. They consisted of local sorts, and were very robust in growth, the fruit of enormous size, pleasing aroma and fine color. In plantations far from the coast and on borders of streams of sweet water, examples of peach trees suffering from gumming, curl of the leaf, and the shoots dead or dying, and cropping miserably, were common and poor in flavor. On returning to Europe he applied common salt as an experiment on Early Rivers, applying 3 lbs. to each tree, and in the last season 3 lbs. of cattle salt. The salt was scattered over the soil as far as the roots extended, and hoed in. The trees were of the same age—two years from the bud.

The results have been of a gratifying character—no gumming nor leaf curl, nor any other disease; the growth stronger and the fruit finer. The application of salt to sweet and morello he has likewise tried; and the fruitfulness of the trees has increased. This correspondent promises to report more fully next year.

Dec. 6. 1910.

"It gives us great pleasure to say that we have had excellent returns from our advertisements in HORTICULTURE."

EASTERN NURSERIES.
Jamaica Plain, Mass.



Is proving as successful as it is now well known. You can depend on it for positive results without fear of failure or dissatisfaction.

It destroys green, black and white fly, red spider, thrips, mealy bug, and scale.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

An infallible remedy for mildew, and other fungus diseases. A clean, safe and easily applied fungicide, which does not stain the foliage. Used as a spray at 1 part to 50 parts water.

Particularly adapted for use in greenhouses against mildew on roses, 'mums, etc.

\$2.00 per Gallon. 75c per Quart.

MANUFACTURED BY

APHINE MANUFACTURING CO.

Madison, N. J.

In Japan there are two kinds of Giganteum grown, the "flathead" and the tall bulb. The former is planted near the top of the soil where the hot sun can bring it to size very quickly (at the expense of its vitality and quality). Of course all Giganteum cannot be the best and growers are obliged to sell the inferior article for three reasons: first because many people buy an article just because it is cheap; second because dealers must buy very cheap from importers to make a profit; third because many people don't know the difference.

The grower who wants to make money and maintain a modern shop, must buy economically; that means he must buy stock which will net the most profit. The profit is in the blooms of lily bulbs and so he must buy the bulbs which net the most blooms on the average. That's Horseshoe Brand Bulbs—they will average the highest cut per thousand bulbs of any brand known.

A BLUE ROSE

**The Greatest
Rose Novelty
of the Century**

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Naule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Revere, Mass.—Thomas Roland, the well-known plant grower of Nahant, Mass., has closed a deal on eleven acres of land in this town where he will erect greenhouses, the plan being to have a range covering five acres and devoted exclusively to plant growing. Boston needs just such an institution and the carrying out of this grand enterprise could be in no better hands than Mr. Roland. The site is within five miles of the State House in Boston.

DAHLIA ROOTS
Whole Field Clumps—At \$5.00 per 100 and up, 10 to 100 in to distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$10.00 cash.
CANNA ROOTS
Strong Division,—At \$2.00 per 100, \$12.00 per 1000 and up. *Send for List.*
R. VINCENT, Jr. & SONS CO. White Marsh, Md.

Dec. 5th, 1910.
"I expect to renew my ad whenever my stock justifies. I regard your paper as a good one to advertise in."
A. D. ROOT, Wooster, Ohio.

Prices Reasonable.



Ralph M. Ward & Co.

**12 West Broadway
NEW YORK**

Not How Cheap
But How Good

Order Your Cold Storage Bulbs Now

HARDY ROSES

FOR FORCING—READY FOR IMMEDIATE DELIVERY

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Fall or late Winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (half standard).. Deep pink, 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY RAMBLER (half standard). Crimson. 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY CATHERINE SEIMETH (half standard). White. 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY "STARS AND STRIPES" (half standard). White and red grafted on the same plant; most attractive. 45 cents each, \$4.50 per doz., \$35.00 per 100.
PHYLLIS (half standard). Carmine pink. 45 cents each, \$4.50 per doz., \$35.00 per 100.
TAUSENDSCHON (half standard). Soft pink. 40 cents each, \$4.00 per doz., \$30.00 per 100.
MRS. CUTBUSH (half standard). Rose pink. 40 cents each, \$4.00 per doz., \$30.00 per 100.

Hardy Perpetual Roses

We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1,000.

Alfred Colomb. Carmine.
 Anne de Diesbach. Bright carmine.
 Ball of Snow. Pure white.
 Baron de Bonstetten. Dark crimson shaded.
 Baroness Rothschild. Satiny pink; extra.
 Captain Christy. Delicate flesh color.
 Duke of Edinburgh. Bright Vermillion; very fine.
 Fisher Holmes. Dark rich scarlet.
 FRAU KARL DRUSCHKI. The finest white in existence.
 General Jacqueminot. Rich, velvety crimson.
 General Washington. Beautiful red, shaded carmine.
 John Hopper. Beautiful rose-pink.
 La France. The finest light pink.
 Margaret Dickson. White, pale flesh center.
 Magna Charta. Clear rosy pink.
 Mme. Gabriel Luizet. Light satiny pink.
 Mrs. John Laing. Soft pink. Most desirable variety.
 Paul Neyron. Beautiful dark pink.
 Prince Camille de Rohan. Velvety crimson.
 Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

American Grown. The Only Stock for Forcing.

Crimson Rambler

Large heavy plants, two years old, mossed and packed in bundles of 10.

	10	100
3 to 5 feet	\$1 75	\$15 00
4 to 6 feet	2 25	20 00
7 to 8 feet extra strong.....	4 00	35 00

Dorothy Perkins

Strong. 4 to 5 feet, \$1.75 for 10, \$15.00 per 100. Extra strong, 8 to 9 feet, \$2.00 for 10, \$18.00 per 100.

A fine selection of English grown Hybrid Teas on hand. Write for prices.

TAUSENDSCHON

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15.00 per 100.

TAUSENDSCHON (standard grown). Each 40 cts., doz. \$4.00, 100 \$35.00.

HIAWATHA. The flowers single, are of a deep intense crimson shade with the petals shading to a pure white base. Flowers very freely, and is undoubtedly one of the best of the single Roses for forcing. Strong two-year \$2.25 for 10, \$20.00 per 100. Extra strong, two-year, field-grown, 6 to 8 feet, \$2.75 for 10, \$25.00 per 100.

WEDDING BELLS. The color is white with the upper half of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. \$1.75 for 10, \$15.00 per 100.

Lady Gay

Flowers delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2.00 for 10, \$18.00 per 100.

Tree Baby Ramblers

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say it retains all its characteristics of free-blooming qualities, etc. Each 40 cts., doz. \$4.00, 100 \$35.00.

BABY DOROTHY. Standard grown. 65 cts. each, \$6.50 per 12, \$50.00 per 100.

BABY RAMBLER ROSES

CATHERINE SEIMETH. A White Baby Rambler Rose, large and better flowers than the type. \$1.50 for 10, \$14.00 per 100.

BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. \$2.00 for 10, \$18.00 per 100.

Baby Rambler (Mme. Norbert Levavasseur)

Strong field-grown plants, \$1.50 for 10, \$14.00 per 100. Mrs. Cutbush, very fine, rose pink, one of the best Baby Ramblers. \$1.75 for 10, \$16.00 per 100.

Boskoop Baby. Color beautiful shade of China rose, very free flowering and easily forced. \$3.25 for 10, \$30.00 per 100.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., - - - NEW YORK.

BOBBINK & ATKINS

...World's Choicest Florist and Nursery Products...

RHODODENDRONS.

	Per Doz.
In all bright colors; fine forcing varieties; good value.....	\$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors.....	15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants..	12.00, 18.00, 24.00

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.
Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots.	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.....	10.00	
Malus, Flowering Crab.....	15.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in..	4.00	
Aucuba, fine plants, 18-24 in.....	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

AZALEAS

Six, nine and twelve dollars per dozen.
Pink, white, variegated and red.
Red in small size only.

BEGONIAS.

5 inch 50c; 6 inch 75c; 7 inch \$1.00 each.
Extra fine plants.

CYCLAMEN.

5 inch \$4.00 per dozen. Larger plants
\$9.00 and \$2.00 per dozen.

PRIMROSES.

5 inch \$3.00 per dozen.

A FINE LINE OF PYRAMID BOXES FROM \$3.00 TO \$5.00 PER PAIR. ALSO FULL LINE OF PLANTS FOR CHRISTMAS.

JOHN MCKENZIE, North Cambridge, Mass.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

VERY LARGE TREES

In Pines, Spruces, Hemlocks, Retinosporas, Arborvitae, Colorado Blues, &c. Also in Catalpas, Birches, Planes, Poplars, &c.

Very large Privet.

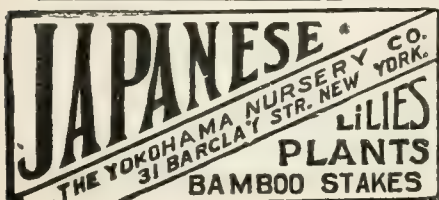
Evergreens are dug with balls.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 216 Jane St., Weehawken Hgt., N. J.



Potted Lilacs for Forcing

Marie LeGraye, Ludwig Spaeth, Mad. Casimir
Perier, President Grevy, Michael Buchner,
Madam Lemoine, Charles X.

ALL POT GROWN BUSHY PLANTS \$1.00 EACH; \$9.00 PER DOZ.

STANDARD WISTARIAS—full of bloom buds, pot grown, \$1.50 each; \$12.00 per doz.

STANDARD ROSES—fine for forcing, \$1.00 each; \$9.00 per dozen.

DICENTRA SPECTABILE—nice clumps for forcing, \$2.00 per doz., \$15.00 per 100.

ROSES FOR FORCING—All leading varieties including Frau Karl Druschki, Jubilee, Grus an Teplitz, Killarney, American Beauty, Ulrich Brunner, Magna Charta, Maman Cochet, La France, K. A. Victoria, Crimson Rambler, Dorothy Perkins, Baby Ramblers, red, pink and white, etc.—all in fine condition. \$4.00 per doz.; \$25.00 per 100.

PYRAMIDAL BOX, 2 1/2 to 3 ft.....	Each \$1.50	Pair \$2.50
" " 3 1/2 ft.....	" 2.00	" 3.50
" " 4 ft.....	" 2.75	" 5.00
" " 5 ft.....	" 3.50	" 6.50

If in green tubs, 25 cents extra.

The New England Nurseries, Inc.
Bedford, Mass.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass

Seed Trade

A New Seed House.

The latest addition to the seed trade of this country is that of A. Currie & Co., of Milwaukee. This concern consists of Mr. Adam Currie and his son. Something over a year ago, the younger Mr. Currie left the old house of Currie Bros. Co. and started in business for himself. Some few months ago his father decided that it would be better for all concerned to sell out his interest in the Currie Bros. Co. and join forces with his son. This was done to the general satisfaction of all and apparently the best of feeling exists between the old and the new firm. By the way, our old friend, Alex. Mathers, is back in his place with Currie Bros. Co., which he occupied for many years. Mr. Mathers is a very capable seedsman and seems to be heartily appreciated by his old employers.

Prices on Future Peas.

Prices on future peas, that is of the crop of 1911, are beginning to make their appearance, and they certainly are pitched on a pretty high scale. If the trade will accept them the growers will certainly have occasion to congratulate themselves. While it was generally expected that there would be a decided advance, a few of the prices quoted are almost sensational. However, it must be remembered that the seed growers have endured several years of famine, and if they have taken advantage of the present scarcity of seed stocks and the ruling high prices, they cannot be blamed as it is taking advantage of conditions the same as the dealers do when they advance prices in the face of short crops. We do not like to criticise the prices referred to, and it may be that they will be entirely acceptable to the trade. It is hoped such will be the case, but we venture the prediction that there will be some wry faces made before the dose is swallowed. Probably we will have occasion to refer to this matter again in the near future.

Canners' Peas.

Prices on what are known as strictly canners' peas, do not seem to be very much out of line. There seems to be considerable variation in the price of Alaskas. So far as the Sweet Wrinkled varieties are concerned, the prices of the different growers are very uniform, the main difference being on the Alaskas. How it is that some of the growers are asking fifty cents less per bushel for Alaskas than for the Sweet Wrinkled sorts, we would be glad to have explained, for, if we are reliably informed, the actual cost is practically the same on all of the canners' varieties; at least the price paid the farmer is virtually the same. It may possibly

FOR EASTER **SOW NOW**

Michell's Flower Market Stock

*The stock every good florist knows
Nothing better for cutting*

	$\frac{1}{2}$ Trade Pkt.	Trade Pkt.	Oz.
Colors: White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red	.30	.50	\$3.50
Mixed Colors (every shade known)	.30	.50	\$3.50

HENRY F. MICHELL CO.
Now at 518 Market Street, **PHILADELPHIA**

BOLGIANO & SON'S NEW WAREHOUSE.



Messrs. J. Bolgiano & Son have sent us some interesting information about their new water-front properties in Baltimore and the splendid new dock warehouse here illustrated. This new property is located near their main office and salesroom and extends along Montgomery street for 500 feet and provides 375 feet of private dockage on their own piers, thus securing railroad and steamship delivery without any cost for drayage. In the piers

and warehouse there are 75,000 feet of floor space. Special seed cleaning machinery for grass, clover and field seeds has been installed. Good seeds are at the bottom of all good agricultural industry and the remarkable progress and growth of this leading Baltimore house is one of the best evidences that Messrs. Bolgiano's claim as regards the purity and high selection of their seeds stands well known.

cost slightly more to handle the Sweet Wrinkled sorts, but it certainly cannot amount to fifty cents per bushel, and it is generally agreed that the price named on the Sweet Wrinkles is in no wise unreasonable. This is a matter we assume that will have to be adjusted in time and need not be discussed further here.

the retailers talked of doing two months ago. This information may not be absolutely correct and we had better wait and see what the catalogues have to say before commenting further.

The Huntington Seed Co., of Indianapolis, has succeeded the firm of Hunt-

Retailers' Topics.

Just at the present time, most of the retail and many of the wholesale houses in the trade are more interested in holiday goods than in seeds, and they probably will not settle down to the seed end of the business until after the first of the year. It will be interesting to study the retail catalogues of the leading houses this year and note prices in same. From some information which has reached us, it looks as if prices on peas will not be placed quite as high as a number of

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.
42 Vesey St., New York.

FOTTLER, FISKE, RAWSON CO. CYCLAMEN

New Crop Seed Just Arrived.

Our grower in England makes a specialty of CYCLAMEN SEED; this strain is noted for size and brilliancy of coloring.

Cyclamen, Giant Strain. Brilliant, Deep Crimson, extra; **Excelsior**, White claret base; **Grandiflora Alba**, Giant pure white; **Mauve Queen**, Mauve; **Mont Blanc**, White; **Picturatum**, Giant Light rose, claret base; **Prince of Wales**, Giant Bright Red; **Rosy Morn**, Delicate rose, tinted claret base; **Giant Salmon King**, Extra large, beautiful salmon pink; **Sunray**, Pink, Claret base; **Finest Mixed**, all colors. The above varieties 100 seeds, \$1.00; 1000 seeds, \$8.00.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

ington & Page, Mr. Huntington being the man with the hoe. It is hoped that he will prosper and be able to restore the firm to the important position it once occupied.

A New California Enterprise.

Among the latest if not the latest to embark in seed growing in California, is T. M. McCullough, the son of J. Chas. McCullough of Cincinnati. Young Mr. McCullough is cultivating a ranch of several hundred acres and has made his bow to the trade and asked them for just a little of their patronage to keep him going until his reputation is established. Major Braslan should take note of this latest poacher on his preserves, and at once set about including him in his comprehensive scheme to secure the control of the seed-growing of the Coast. Of course, the Major will not take offence at this remark, and will doubtless appreciate the compliment implied.

Notes.

Meridian, Miss.—On Oct 30th the Meridian Fertilizer Co. lost their machine and seed houses by fire, causing a loss of over \$100,000.

Jack Clark of Dreer's celebrated his silver wedding anniversary on November 30. R. W. Clucas, who officiated as "best man" 25 years ago, and Mrs. Clucas, were among the guests.

The Merchants' Refrigerator Company of New York City declines to accept hereafter bulbs of any nature for cold storage. Two years ago a similar rule was put in force but lily of the valley pips were excepted. Now the "valley" is also put on the excluded list. Every seedsman will now be compelled to store with the Manhattan Refrigerator Company which holds the monopoly and, on account of previous experience, is not popular with the bulb trade people.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. *Wholesale list now ready.*

S. D. WOODRUFF & SONS,
82 Dey Street, New York, N. Y.

FRENCH and DUTCH BULBS

For Prompt Shipment

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Our Special Catalogue of XMAS DECORATIONS

mailed for the asking.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO
Mention Horticulture when you write

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulae, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

THEY'RE STICKING OUT

all over these pages.

WHAT?

Bargains in good things.

Established 1820

Thorburn's Bulls

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Vel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.62	Red Bird Millet, \$2.55
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

ARE YOU

To the fact that nothing can
customer or inflict more damage
upon a grower or dealer for flow
him unable to supply the goods?

DID YOU

Have an Orchid Wedding
moment that you had been disapp
something else? That is the time
of supply is appreciated and th
satisfied buyers have found out b
teachers.



THERE WILL BE NO "MER UNLESS

The man who took your order delivers
what he promised, **in good order** and on
time. Any wholesale house can supply you
with plenty of common stuff and perhaps a
few orchids

BUT

if you want fancy material to hold up your
reputation as a first class florist, send your
order complete and in good season to me
and you will not be disappointed, for I
handle more of this choice stock than any
other dealer in the country. Long distance
is no drawback.



42 West 28th St.

JAMES M

AWAKE

use you more trouble with a good
your business than to depend
specially ordered and then find

U EVER

l then have to confess at the last
ted and would have to substitute
hen an absolutely reliable source
is where McManus fits, as many
experience, which is the best of all



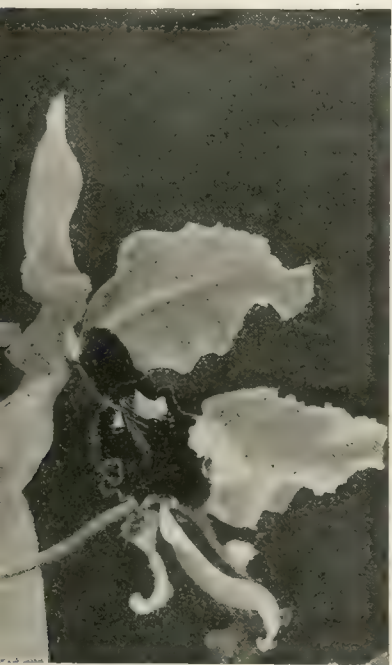
IE CHRISTMAS" FOR YOU

UNLESS

You are able to supply your good customers with what they want as choice and as plenty as your rival can. Don't worry about competing on material that can be procured anywhere

BUT

watch out for the bright competitor who tempts the good flower buyers with elegant orchids, gardenias and similar high grade material, otherwise you'll get left. In Holiday Stock I offer Cattleyas, Odontoglossums, Vandas, Calanthes, Dendrobium formosum, Cypripedium, Phalaenopsis and Laelias. Also Gardenias, Lily of the Valley, Daisies, etc.



McMANUS

NEW YORK, N.Y.
Tel. 759 Madison Square

A FEW SPECIALTIES IN BULBS

Of Which

We have good stocks at present and which we can offer in quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Emperor, Bicolor Victoria, Empress, extra large double-nosed bulbs, \$15.00 per 1,000.

Golden Spur, extra large double-nosed bulbs, \$19.00 per 1,000.

Grandie, \$9.00 per 1,000.

Princeps, \$6.50 per 1,000.

Poeticus Ornatus, extra large double-nosed bulbs, \$7.50 per 1,000.

Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1.50; bundle of four baskets (120 bulbs), \$4.20.

TULIPS

	Per 1000		Per 1000
Chrysolora	\$7.00	Rose Luisante	\$14.50
La Reine	8.00	Vermillion Brilliant	18.50
Rose Grisdelin	8.50	Parrot, fine named,	
Rosamundi Huyk-		4 sorts	7.50
man	8.00	Parrot, finest mixed	6.00
Thomas Moore	8.00	Single Finest Mixed,	
Mon Tresor	11.50	all colors, for bed-	
Prince of Austria	12.00	dling	7.50

Murillo, the most profitable tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz., \$10.00 per 1,000.

Salvator Rosa, \$14.00 per 1,000.

Gesneriana Spathulata, the true gesneriana, the finest of all late tulips, \$9.50 per 1,000.

Double, finest mixed, all colors for bedding, \$8.50 per 1,000.

LILY OF THE VALLEY, OUR PERFECTION GRADE

New Importation now ready.

Case 500 pips, for	\$8.00
Case 1,000 pips, for	15.00
Case 2,000 pips, for	28.00

HYACINTHS

Miniature, Chas. Dickens and Moreno, \$20.00 per 1,000.
White Roman, selected bulbs, 13-15 c/m, \$25.00 per 1,000.

MISCELLANEOUS

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition, case 200 bulbs, \$15.00.

Longiflorum Giganteum, case 300 bulbs, \$19.50.

Callas, selected bulbs about 1 1/4 inch in diameter, \$7.50 per 100.

Spanish Iris. Named varieties—Belle Chinoise, British Queen and Darling, \$4.00 per 1,000; finest mixed, all colors, \$2.50 per 1,000.

Bermuda Buttercup Oxalis, \$6.00 per 1,000.

Snowdrops, Single and Giant, \$4.50 per 1,000.

Snowdrops, Double, \$9.00 per 1,000.

Gladiolus America, the finest of all gladioli for forcing, \$35.00 per 1,000.

Spirea, in case lots of 100 bulbs—Japonica, \$4.50 per case; Compacta Multiflora, \$5.50 per case.

Pot-Grown Lilacs—Marie LeGraye and Chas. X., \$9.00 per dozen.

For other Bulb Stock, see our complete wholesale bulb list, free on application

For Ferns, see Advt., page 801

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
N. Y.

Cyclamen Persicum Giganteum "Berglinden Strain"

New Crop Just Received, Cannot Be Equaled in This Country.

	100 Seeds	1000 Seeds		100 Seeds	1000 Seeds
Mont Blanc, pure white	.80	.60	Salmonium	.60	5.00
Atropurpureum	.60	5.00	Lilacinum, beautiful lilac	.60	5.00
Superbum, white with dark eye	.60	5.00	Rococo, extra large fringed	.75	6.00
Roseum, Rose V. Marienthal	.60	5.00			

VALLEY PIPS

Just In.

Quality Special.

Best Forcing Grade.

Price per 1000.....\$12.00, in cases of 2000 Pips.

Also all other flower seeds and bulbs for florists.

"BUDS" 76 Barclay St., New York, N. Y.

CARL R. GLOECKNER, Pres.

SET YOUR OWN PRICE

To close out our supply of Tulips, Hyacinths, Narcissi, Crocus, Anemones, Ranunculus and other Fall Bulbs, we make the following proposition:

Send Us Your Order; Set Your Own Price at what they are worth to you; the chances are we will accept your offer.

JAMES VICK'S SONS, Rochester, N. Y.

SPLENDID STOCK FOR THE HOLIDAYS DREER'S UNEQUALED SPECIMEN PLANTS

of

COCOS WEDDELIANA

If you have not included specimen plants of Cocos Weddeliana in your Christmas stock before you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3 in. pots, 8 to 10 ins. high.	\$2.00 per doz., \$15.00 per 100
5 " 18 " 24 "	Splendid plants, 75c each.
7 " 36 " 42 "	Grand specimens, \$2.50 each.
10 " 30 " 36 "	Very stocky, well balanced plants, \$5.00 each.

ADIANTUM FARLEYENSE

In prime condition for use in hampers, made-up work, etc.

4 in. pots, splendid stock.....	\$5.00 per doz.
5 " " " " " " " " " " " "	9.00 "
6 " " " " " " " " " " " "	12.00 "

ASPLENIUM NIDUS AVIS

Birds' Nest Fern

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine for made-up work.

3 in. pots.....	30c each.
4 " " " " " " " " " " " "	40c "

PLATYCERIUM STEMMARIA

A large leaved variety of the Elk's Horn Fern. This is novel and out of the usual run and will attract attention. Good 6 inch pots.....\$2.50 each.



HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

ORCHIDS

JUST RECEIVED a large lot of Cat-
tleya Trianae, C. Schroederiae, C.
Gigas Sanderiana, C. Gigas Hardy-
ana, Miltonia Vexillaria. Correspond-
ence solicited.

John DeBuck

Care Maltus & Ware
14 STONE ST., NEW YORK, N. Y.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS
RUTHERFORD, N. J.

**Cattleya Superba and Cat-
tleya Laurenceana**

Shipments expected to arrive during
Spring and Summer, which will be sold in
lots to suit purchasers, who should book
orders early to prevent disappointment.
Orders also solicited for any South American
varieties.

Colin Campbell, 2 Riverview Terrace, New York City
Collector and Importer

In ordering goods please add "I saw
it in HORTICULTURE."

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and
Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country.
Established and freshly imported. Also ma-
terial in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

FERNS FOR DISHES

Assorted varieties,

2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincey St. - CHICAGO, ILL.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Hartford, Conn.—Page F. Potter
now has a store at 236 Main street.

Waterbury, Conn.—Miss Ethel Att-
wood has taken a position with Dallas,
the florist.

Denver, Colo.—The flower store
opened recently by Misses A. & C.
Culp at 325 Sixteenth street has been
discontinued.

Catlettsburg, Ky.—The firm of Ida
Hitchcock & Co., who make a
specialty of gladiolus, have removed
here from Barbourville, Ky.

Denver, Colo.—The flower store at
1555 Curtis street, formerly conducted

STEAMER DEPARTURES

Allan.

Pretorian, Boston- Glasgow...Dec. 9

American.

St. Paul, N. Y.-S'hampton...Dec. 10

Philadelp'a, N. Y.-S'hampton...Dec. 17

Atlantic Transport.

Minneapolis, N. Y.-London...Dec. 10

Mesaba, N. Y.-London...Dec. 17

Cunard.

Mauretania, N. Y.-Liverpool...Dec. 17

French.

La Gascoigne, N. Y.-Havre...Dec. 10

Niagara, N. Y.-Havre...Dec. 10

La Lorraine, N. Y.-Havre...Dec. 15

Hamburg American.

K. A. Victoria, N. Y.-Hamb'g...Dec. 10

Pres. Grant, N. Y.-Hamburg...Dec. 17

Holland-American.

New Amst'd'm, N. Y.-Rot'd'm...Dec. 10

Noordam, N. Y.-Rotterdam...Dec. 20

North German Lloyd.

Prinzess Irene, N. Y.-Medit'n...Dec. 10

K. W. der Gr'se, N. Y.-B'm'n...Dec. 13

Koenigin Luise, N. Y.-B'm'n...Dec. 17

Red Star.

Lapland, N. Y.-Antwerp...Dec. 10

White Star.

Cedric, N. Y.-Liverpool...Dec. 10

Zeeland, Boston-Liverpool...Dec. 13

Adriatic, N. Y.-S'hampton...Dec. 14

Arabic, N. Y.-Liverpool...Dec. 17

by M. A. Poss, is now run as a
branch of the Elitch-Long Flower
Store.

Forest City, Ia.—C. B. Simmons, of
the Hill City Greenhouses, was mar-
ried recently to Lillian Haggstad.
After a short honeymoon they will
reside in the new house at the Hill
City Greenhouses.

Jamestown, N. Dak.—E. A. Williams
has purchased the interest of A. L.
Woodbury in the Wheeler Floral Co.
There will be no change in the firm
name. Mr. Wheeler says the com-
pany has broken ground for another
new greenhouse and intends next sea-
son to branch out into considerable
truck gardening.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The

FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

Albert Rebbick, gardener for Mayor C. Linkroom, Hackensack, N. J., has sailed for a visit to his old home in England, the trip being an appreciative present from his employer, with whom he has been for 19 years.

Arthur E. Thatcher of the Arnold Arboretum sailed for Liverpool on the Leyland Line steamer Winifredian from Boston, Dec. 7, to enjoy a brief visit and a Merry Christmas among his old home scenes and associates.

Visitors in Boston: J. J. Karins, of H. A. Dreer; Arthur Zirkman, of M. Rice & Co.

Visitors in New York: R. J. Irwin of Skidelsky & Irwin, Philadelphia, Pa.; W. P. Edgar, ass't mgr. National Flower Show, Boston; A. Golding and John Schaefer, Irvington, N. Y.; W. B. Jones, Southampton, N. Y.; August Doemling and Wm. A. Leonard, Lansdowne, Pa.

Visitors in Cincinnati: Wm. and Henry Lodder, Hamilton, O.; Jos. R. Goldman, Middletown, O.; Oscar Herms, Portsmouth, O.; Wm. Sutterfield, West Union, O.; J. W. Waltz, Vevey, Ind.; Oliver Honaker, Lexington, Ky.; Mr. Gerlach, Piqua, O.; Sam. Seligman, representing Wertheimer Bros., N. Y.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665, **SEATTLE, WASH.**
1932 Second Ave.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

A PROMISING NEW ROSE.

When Miss Sarah Hill claimed, through the press, that their new rose, Rose Queen, was better than Killarney (the breadwinner) many people were inclined to be skeptical. A. B. Scott went to the trouble, however, of a journey from Philadelphia to Indiana, and on his return admitted the new variety showed up in the most astonishing way. So everyone was on the qui vive on Tuesday night when Mr. Hill exhibited this variety at the meeting of the Florists' Club of Philadelphia. The writer was as eager to see it as any, and he was, like everybody else, delighted with the newcomer. It is a magnificent flower—as big almost as American Beauty and nearly the same shape—with a most attractive pink tint, far ahead of anything we yet have in commercial roses. The buds are long and pointed, one of the most profitable qualifications in the race for commercial supremacy. The stem is fine, and Mr. Hill claims that it not only holds the buds quite upright, but that it will produce high grade blooms quicker and earlier than any other rose on one-year-old plants. Rose Queen is more double than Killarney. It opens freely in dark weather and its keeping qualities have proved of the very finest—as the flowers sent to various points at a distance have showed up in a most remarkable manner. This rose looks to us like one of the most promising of the new things for forcing purposes.

GEORGE C. WATSON.

OBITUARY.

Mrs. William C. Smith.

One of the finest women the Lord ever placed on this earth went to her last long home on the 2nd inst., when the wife of William C. Smith, the well-known florist at 60th and Market streets, Philadelphia, was laid to rest. Age 36. Over three hundred carriages were in the funeral procession, which was a faint indication of the warm regard in which she was held by her neighbors. She was a helpmeet to her spouse in the truest sense of the word and the poignant grief and sense of loss of those near and dear may be more easily imagined than described. We tender our most heartfelt condolences to the bereaved family. A beautiful life well spent—and alas! cut off in the flower of womanhood!

G. C. W.

PHILADELPHIA NOTES.

M. Rice & Co. report that November was the largest month that they ever had and December is starting out as a record breaker. Their factory is working every night to fill orders promptly.

Visitors: C. C. Tepel, N. Y. City; Mrs. A. E. Smith, Pittsburgh, Pa.; Antoine Leuthy, Roslindale, Mass.; W. P. Edgar, Boston, Mass.; Miss L. H. Dundore, Lancaster, Pa.; Ernest Ashley, Allentown, Pa.; James Brown, Jr., Coatesville, Pa.; Thomas Roland, Nahant, Mass.; Chas. H. Horn of Jno. H. Horn & Bro., Allentown, Pa.; C. B. Knickman, Rutherford, N. J.

NEW FLOWER STORES.

Berne, Ind.—E. Nagel.

Victoria, Tex.—Miss B. E. Smith.

Chicago, Ill.—J. Sikyta, 2112 S. 40th Ave.

Kansas City, Mo.—Mrs. Emma Elberfeld, 1016 Walnut street.

Boston, Mass.—Arnold & Petros, Boylston and Berkeley streets.

Oakland, Calif.—W. H. Swanigan, Eleventh street, near Washington.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main st.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1708 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.

New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCray Refrigerator Co.
253 Lake Street, Kendallville, Ind.

Cut Flowers and Design Work OF HIGHEST QUALITY

Delivered to Residences, Steamers, or Theatres in
New York City and Vicinity.

Transfer Orders for the Holidays Carefully Filled.

YOUNG & NUGENT, 42 W. 28th St., New York

PARIS

LONDON

BERLIN

Christmas Deliveries in Boston and Vicinity

We are prepared to deliver in good shape, flowers, plants, or made up work as ordered. Florists at a distance may transfer their orders by mail, telegram or 'phone to us with a certainty of prompt and careful attention.

THOMAS F. GALVIN, Inc.

124 TREMONT ST.

BOSTON, MASS.

CONSERVATORIES

Telephones: Oxford 1736-1737-1738

Boylston, cor. Fairfield St, Tel. Back Bay 2023

ACTIVITY AT COLLEGE POINT.

Azaleas and poinsettias, camellias and Lorraine begonias, ardisias and oranges, are blazing in radiant splendor at the Schultheis greenhouses and the hustling owner with his efficient helpers are on active duty from early till late at this critical period in the Christmas plantsman's work. Mr. Schultheis has a most excellent system in the selection and filling of orders. A numbered label with price of each plant is inserted in each pot as it is picked out and bill is made out and checked from these markings. The work is done very expeditiously and always under the scrutinizing eye of Mr. S.

Perhaps the greatest attraction for the average visitor just at present will be the camellias. They are exceptionally neat and well-flowered little specimens. Azaleas are very fine, the proportion of white being comparatively small. Mme. Petrick has had a big sale already and is practically sold out. Simon Mardner is in bloom two weeks ahead of the average date. Oranges, ardisias and Jerusalem cherries are just right and so are poinsettias, which are seen in various sized pans and pots. No finer Erica melantha is grown anywhere than is seen here. Under the improved method of culture the soft young growths which formerly disfigured the tips of the

flowering sprays are no longer produced.

Two houses of carnations in 7 and 8-inch pots are a sight as beautiful as rare. Several varieties have been thus treated with varying results. The tendency to run up tall flower stems and produce sprawling habit is the fault with most sorts. One bright cerise which originated here and was introduced twelve years ago as Mrs. Schultheis seems to have the requisite qualities for a perfect pot plant. The plants, set two or three in a pot form a solid rounded cushion of foliage above which the buds bristle in remarkable abundance, on short stocky stems. Naturally the demand for

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. Laurel Festooning, 6 cents a yard. Boxwood Wreaths, \$6.00 to \$18.00 per dozen. Bush Laurel, 50c. Princess Pine Festooning, \$6.00 per 100 yards, made all round. Leucothoe Sprays, \$7.50 per 1,000; \$1.00 per 100. Dagger and Fancy Ferns, \$1.25 per 1,000. New Crop Galax, Bronze, \$1.50 per 1,000. Green, \$1.00 per 1,000. Green and Violet Foil, best quality, 17c. per lb. Green Magnolia Leaves, extra large hamper, \$2.25 per hamper. Bronze Magnolia Leaves, \$2.00 per hamper. Bronze and Green Galax, \$1.00 per 1,000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

IMMORTElLES

New crop, best quality, all colors, 14 cents per bunch in case lots

A Full Line of Florists' Supplies. All Kinds of Insecticides

Chrysanthemums and Carnations, in all Standard Varieties. Roses — Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

**Seasonable
Cut
Flowers**

Lilies, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus, etc.

HENRY M. ROBINSON & CO., BOSTON, MASS.

15 Province Street and 9 Chapman Place

Telephones—Main 2617-2618. Fort Hill 25290

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION

these is far greater than the supply. Mr. Schultheis gives the parentage of the variety as Wm. Scott and Lizzie McGowan. It is well worth the attention of the plant grower for well grown pot carnations will always sell.

CARNATIONS IN ENGLAND.

Why So Many Novelties Fail in England.

The fluent pens of some English and many American writers build up before us annually most vivid and fascinating descriptions of some new treasure which has been created in America, and which is shortly to be disseminated amongst us, more for our personal benefit than from any thought of gain on the part of the raiser himself.

Presuming, as we do, that all new varieties of Carnations are sent out in perfect good faith by the raiser, after years of testing and close scrutiny, why is it that so many novelties fall so short, over here, of the florid descriptions given, and instead of being gold nuggets are gold bricks?

Putting aside all thoughts which might prompt dishonest men for personal gain, I personally believe that many Carnation novelties are not known to be inferior by the disseminator previous to their being placed upon the market, and that in the home nursery many of these varieties live up to the descriptions given of them.

Yet I venture to remark that the limit is reached when certain British gardening papers print the American descriptions of novelties for private gardeners and amateurs to read, few

of whom can appreciate the atmosphere in which they were originally written, and which certainly does not apply to this country.

That it is a great and ever-increasing speculation, investing in these novelties in the first year, few will deny. The difficulty of selecting the winner is great. A brother of the writer has, for the last few years, always spotted the best novelty in the Eastern States of America, but the variety of climatic conditions in that vast country naturally makes the selecting of varieties suited to our climate most difficult.

Even in America itself, the growers in the Eastern States hold the novelties from the Western States with grave suspicion whilst those from California are invariably ignored. Why should that be? Simply because the latitude in which a Carnation is raised and grown has a mighty influence upon its after life. All of us know this to be true in human life, and time has proved it to be so with the Carnation.

Where is there, or where has there ever been, a truly good variety which has its origin in the West American States, and which has adapted itself to the British climate? Old America and Flora Hill made a bold attempt to do justice to the home of their origin, but Adonis, Crusader, Fiancee, and dozens of others too numerous to mention have failed ignominiously over here. It is only when we examine varieties which have not succeeded and discover the home of their origin that we learn why it is so many American novelties fail with us. Even if we take the varieties which hail from near New York, we have but few successes and

many failures. Glacier, Gov. Roosevelt, and perhaps the President, partly succeeded, but Mrs. Roosevelt, Octoon, Lieut. Peary, Mrs. Ward, and Robt. Craig, etc., etc., have failed. Of course a few of these varieties have proved a success in Guernsey, but Guernsey's climate is hardly ours. F. Dörner from La Fayette, has sent us one or two good varieties, such as The Belle, Lady Bountiful, and his crowning triumph, White Perfection, whilst Winona will be a friend to many; but against these, Red Chief, Red Spot, and several others have to be counted. From the British point of view, by far the greatest American raiser of Carnations is honest Peter Fisher, of Ellis, Mass. He has never once misled his patrons, but given us such sterling varieties as Mrs. Lawson, Gov. Wolcott, M. A. Patten, Enchantress and Beacon, whilst indirectly we owe White Enchantress, Rose Pink Enchantress, Winsor, and the whole host of Lawson sports to him; also we must not forget the seedlings which are being raised from his good stock. But Mr. Fisher is not only perhaps the best living judge of a good commercial Carnation, but is a judge of where to locate for raising them. Up in the northwestern State of Massachusetts the climate is vastly different from New York or Illinois, and that is partly why we can rely upon the Peter Fisher novelties. The final conclusion, therefore, arrived at is, that the conditions under which the American novelties are raised unfit many for the British climate, and this, I am sure, as time goes on, will prove to be our best guide.—M. C. A., in *Horticultural Trade Journal*, London.

POEHLMANN BROS. COMPANY

33-35-37 Randolph Street, CHICAGO

When in doubt where to buy your Christmas Flowers TURN TO POEHLMANN'S We undoubtedly have the best the market affords. Prices according to quality. Specialties,—Beauties, Teas, Carnations, Valley, Lilies and Orchids. Like all others we are not infallible but as a rule we have what you ask for.

Backed up by the growing stock in our greenhouses we are in a strong position to do as we agree.

Weekly price lists of cut flowers will be mailed to those desiring same. Have your name added to our mailing list.

Watch for our Advertisements!

Sometimes we have specials which are good value.

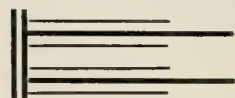
POEHLMANN BROS. CO.

We Please Others

We Can Please You



No Order Too Large
No Order Too Small



Send Us Your Orders

and you will be pleased with the QUALITY of our STOCK, our PRICES and the CAREFUL ATTENTION given your orders.

Anything and everything
in the line of cut flowers
in season

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of CUT FLOWERS

CHICAGO NOTES.

The Christmas Outlook.

With the near approach of Christmas the Chicago florists and those outside, who depend upon this great central distributing point either for a supply or for an outlet for their products, are confronted by about the usual situation. Notwithstanding the increase in glass area during the past year the proportionate increase in demand will make prices about the same as those of last Christmas with slight variations on some kinds of stock. If the weather continues cloudy as it has been since Thanksgiving the supply must be shortened and prices go higher. There is little doubt that all advance orders can be taken care of, for, with the large glass areas of Poehlmann Bros., J. A. Budlong, The Reinbergs, Bassett & Washburn, Chicago Carnation Co., Thompson Carnation Co., Hoerber Bros. & Co., who wholesale their own product and the ten or more smaller growers and the commission dealers there is likely to be

stock enough to fill all orders which are placed early. Plants in bloom for Christmas are in about the usual supply with an increased demand. Azaleas, poinsettias, cyclamens and begonias are already booked to almost the limit of stock. These will be supplemented by a good supply of dracaenas, pandanus, palms, Boston and Whitmani ferns and assorted plants for hampers and baskets.

Poehlmann's.

A visit to the Poehlmann establishment at Morton Grove would almost convince one that here could be cut flowers enough to alone supply the market. Placed in a row the houses would extend seven miles and have an average width of 27 ft. Houses are always in process of construction here and the thirteen now building will all be equipped with cement benches. The first houses were erected in 1890 when Poehlmann Bros. Co., consisting of August, John and Adolph, was organized, and Morton Grove, 14 miles N. W. of Chicago, was chosen for the buildings. A new

artesian well, just completed yields 1,145,000 gal. per day and with the first one gives the plant 2,225,000 gals. daily. All kinds of stock is grown, American Beauty roses being quite a feature and next year one-fifth of the entire area will be devoted to them. Three houses of orchids are now in operation and this will be doubled next year. Their orchid collector will leave this week for South America.

Chicago Carnation Co.

The Chicago Carnation Co., whose plant is at Joliet, Ill., and whose offices are now in Chicago, always keep open house to visitors. Florists will be more than repaid for their trouble if they see but the one carnation Washington. It is certainly a grand variety as they grow it. For purposes of comparison three beds are planted side by side with Washington, Pink Enchantress and Rose Enchantress, and Washington appeared to the writer to be the most beautiful. 60,000 cuttings are now in sand and orders enough to nearly cover them are already on the books. Among the seedlings are many

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons

HOLLY. Single case, \$5.00. Two cases, \$9.00. Five or more cases . . . \$4.00 a case

MISTLETOE. Extra fine berried. Very fine. Per lb., 35c; in 10 lb. lots, 30c per lb.; 25 lb. lots, 25c per lb.

BOXWOOD. 15c per lb. in case lots of 50 pounds. Each case contains full 50 lbs.; usually the case weight is included and you pay Boxwood value for old lumber. Watch out.

VELVET POINSETTIAS. We hold the agency for New England for Anderson's Velvet Poinsettias. Price with leaves and long stems, \$2.50 per dozen. With short stem and no leaves, \$1.75 per dozen. Per gross, with leaves, \$27.00; without leaves, \$21.00.

HOLLY WREATHS. Per 100 \$12.00 to \$15.00

LAUREL WREATHS. 12 in. Frames \$18.00 per 100

LAUREL ROPING 5c per yard **HARDY FERNS,** best quality ever offered \$1.25 per 1000

GALAX, \$7.50 per case of 10,000; per 1000 \$1.00 **PRINCESS PINE** 8c per lb.

PARTRIDGE BERRIES and GLOBES. CHRISTMAS BELLS.

SEND FOR QUOTATIONS ON ANYTHING YOU NEED NOW OR FOR THE HOLIDAYS

N. F. MCCARTHY & CO.

WHOLESALE FLORISTS

TEL. MAIN 5973
and 5974

84 Hawley St., Boston

of promise noticeably a pink, No. 150, and a red, 169. The former has stood the test three years and the latter two. Sangamo, sent out last year was showing up well. It is smaller but of good color and extremely prolific. Princess Charming here deserves its name, even better color than Enchantress. Pink Delight was not found to do so well here as in the East. The Chicago Carnation Co. are this year growing 134,000 plants.

A Model Plant.

Since the Thompson Carnation Co.'s plant at Joliet, Ill., has come safely through the long siege of litigation, a summer spent in improving it has made this place one of the finest near Chicago. An ice machine of 5 tons daily capacity has been installed, their own electric plant supplies abundance of light, cement posts replace all wooden ones and all the carnations under the 108,000 sq. ft. of glass are of the very best commercial varieties. This company have an established reputation for the quality of their rooted cuttings and over 100,000 well-rooted cuttings are ready now. All the cut flowers they sell under a season contract.

Chicago Florists' Club.

For account of meeting, December 1, see page of Club and Society news.

Personal.

Visitors: E. Nagel, Berne, Ind.; R. T. Latham, Minneapolis, Minn.; Alois Frey, Crown Point, Ind.; W. P. Craig, Phila., Pa.; S. W. Pike & Son, St. Charles, Ill.; H. E. Philpott, Winnipeg, Man.; Mr. Taylor, representing "Nico-fume," Louisville, Ky.

CARNATIONS AT TEWKSBURY, MASS.

I.

Ever since Albert Roper modestly handed out his Fair Maid to an eager carnation world and later followed it with his invincible Bay State, Tewksbury has held a position of no small importance in the carnation men's band wagon. We went up to Tewksbury a few days ago to see what sensations were being framed up for future exploitation, and, as usual, felt

PEIRCE BROS.
WALTHAM, MASS.

**AZALEAS
CYCLAMEN
FERNS
AND OTHER
CHRISTMAS
PLANTS**

For particulars address

PEIRCE BROS.
WALTHAM, MASS.

well repaid for the trip. Roper has two sterling things, at least. One is a big white seedling—a perfect flower with a tall, willowy stem, which he thinks will be good enough to put on the market. It so closely resembles Shasta that we doubt whether Mr. Roper himself could separate the blooms if these two varieties were mixed together in one bunch. It is four years old. The other favored candidate is a red, deeper in color than Beacon, a splendid high-centered bloom, and, like all Roper's seedlings, fragrant. He says it is the most prolific variety he ever grew. He was prepared to send it out last year and had 20,000 already sold but he got the plants into some bad soil and a case of stem rot developed so he decided to withhold it until the trouble should be eradicated. There is no sign of stem rot this year and everything looks promising for an early introduction. There is another white—a seedling from a seedling—now three years old, in which he places great hopes.

This establishment is full of seedlings which Mr. Roper has been growing for varying lengths of time and been marketing without name. Many of these, while lacking in the size required to win out at the exhibitions, are splendid market sorts and very profitable because very prolific. He

WELCH BROS.

Now Ready for the Holiday Season

BEST EQUIPPED ESTABLISHMENT IN NEW ENGLAND

The Responsible House that Always Fills Orders at Holidays
as Well as at other times.

Everything for the Flower Store

Cut Flowers, Plants, Evergreen, Holly, Mistletoe, Boxwood,
Southern Smilax.

SEND FOR PRICE LIST.

MAKE YOUR WANTS KNOWN.

226 Devonshire Street, Boston

'Phones: 6267, 6268, 5419 Main

I HAVE THE BEST STOCK

In Holiday Plants and Flowers in prospect for your Holiday needs.
Poinsettias, Azaleas, Primulas, Ferns, Ardisias, etc., etc. Roses,
Carnations, Cut Poinsettias, Violets, Bulb Flowers in Full Variety.

***Write for Prices on what you will need.
You will find them favorable.***

AUGUST MILLANG

41 WEST 28th ST., NEW YORK.

emphasizes the distinction, which every carnation grower has come to realize, between the prize winner and the bread winner, and notes that the retail trade are not disposed to pay the extra price which the grower must demand for the big pets of the exhibition table in order to come out even.

Among the more recent introductions which have won a high place in this very practical man's esteem, Pink Delight stands out prominently. It is a great favorite with the Boston market trade and its beautiful salmon color, splendid stem and prolific blooming qualities, place it in line for a brilliant future if it retains its present health and vigor. Scarlet Glow is a lovely color and highly regarded, but lacks the body of Beacon,

which here, as elsewhere, is a standard by which all other scarlets are judged.

Of course many of the well known favorite varieties of the day are grown here with varying success. One—May Day—is to be abandoned after this year. While otherwise desirable it lacks, in Mr. Roper's opinion, the fibre to withstand the wear and tear of market handling. Fair Maid still holds his affection and is grown in quantity. In the market it is likewise esteemed and its prime qualities of color, fragrance and freedom of blooming seem likely to hold this old and popular variety in an undisputed place for a long time to come.

Next door to Mr. Roper's is the range of John Gale. Here Pink Delight, Winona, Fair Maid, Winsor and The Queen are seen in large quantities and other varieties in lesser

numbers and there are many seedlings under trial. Queen and Fair Maid seemed particularly good, but Pink Delight was pushing its petals out beyond the calyx in a manner that indicated something wrong in the culture, and we concluded that this variety was not quite at home in the rather high temperature at which Mr. Gale runs his houses. Sweet peas are planted at all the uprights in the benches and are producing finely. In the violet house peas have also been growing between the rows. They are old vines which were to have been pulled out in October, but just at that time they took a fresh start and so were allowed to remain, with the result that they will give an excellent paying crop for Christmas.

Next week we shall tell you what we found at M. A. Patten's model establishment.

GET YOUR ORDER IN EARLY

So that it can be given personal attention. I want to please you in quality, promptness and price.

Among the other fine bloom offered to our city and out-of-town customers particular attention is given to the

New Rose Hilda and My Maryland, Specially Grown

Shall have a fine lot of American Beauty, Fancy Carnations in all leading varieties, Violets and other seasonable flowers.

I extend Compliments of the Holiday Season to my Growers and City and Out-of-Town Customers.

M. C. FORD

Successor to
FORD BROS.

121 West 28th Street, New York

Telephones
3870 and 3871
Madison Sq.

BADGLEY, RIEDEL & MEYER, INC.

WHOLESALE FLORISTS

Everything in the line of Cut Flowers. Roses and Carnations of all varieties.

Poinsettias, Lilies, Cypridium, Violets, Valley, Hyacinths, Narcissus, Plain and Variegated

Stevia, Adiantum, Smilax and Asparagus in strings and bunches.

Special attention given to all out of town orders and satisfaction guaranteed.

Personal Selection of all orders.

All growers will find here a cordial welcome, with every office facility and comfort while in the city.

34 West 28th Street, New York Phone **1664** } **Mad. Sq.**
1665

SIEBRECHT & SIEBRECHT

Wholesale Florists

136 WEST 28th ST., NEW YORK CITY

Phone 8346 Madison Square. Consignments Solicited

STILL GOING STRONG

The Longest Established Wholesale
Flower House in New York

Selling Market for many of the largest,
most successful and up-to-date growers.

Choice Christmas Specialties

May be ordered here with certainty of get-
ting what you order at right time, in right
quality and at right prices.

Headquarters for Lilies by 1,000 or 10,000

All the Roses, Carnations, Orchids, etc., in full
variety. Lily of the Valley, Gardenias, Violets
and Adiantum Croweanum Original Stock.

Telephone 1998
Madison Square

P. J. SMITH

49 W. 28th St.,
NEW YORK

HERE THEY ARE

Best in the Market for the Holidays

Large Stock of AMERICAN BEAUTY

Carnations, Violets, Gardenias, Orchids, Valley, Etc.

WM. P. FORD

45 West 28 St., NEW YORK

First in Quality, First in Promptness and First in
the Hearts of the Buying Trade. That's
What I Strive For

For Christmas Call On Me for Anything in the
Flower Line that the New York Market Can Supply

I HAVE SPLENDID POINSETTIAS

In 10-inch Pans or as Cut Bloom. Speak Up.

Old Reliable
Established 1887
Tel. 167 Mad. Sq.

J. K. ALLEN

106 W. 28th St.
NEW YORK

TRAENDLY & SCHENCK

Wholesale Florists

131 WEST 28TH. ST.,

Phones 798-799 Mad. Sq.

NEW YORK

**BEST STOCK
BEST LOCATION
BEST FACILITIES
BEST ATTENTION**

We will have for the Holidays an execeptional fine cut in AMERICAN BEAUTIES, CHATENAYS, KILLARNEYS, WHITE KILLARNEYS, RICHMONDS, MARYLANDS, JARDINES, MAIDS and

BRIDES. An assortment that CANNOT BE EQUALED by any other Single Wholesale House in the CITY, together with an unusual supply of superb CATILEYAS, VALLEY, VIOLETS, POINSETTIAS and LILIES.

Your orders placed here, then you know you are right.

TRAENDLY & SCHENCK

131 WEST 28TH. ST.,

Phones 798-799 Mad. Sq.,

NEW YORK

SEND FOR PRICE LIST

Large Consignment of ENGLISH MISTLETOE

By S. S. Adriatic
White Star Line

Finest Quality. Direct from the grower, ready for delivery Dec. 12, 1910, 100 crates, 2 feet 6 inches square. Price \$10.00, \$12.00 and \$15.00 per crate

Orders Filled in Rotation

Also Our Usual Full Supply of
High Grade Holiday Flowers

MOORE, HENTZ & NASH
WHOLESALE COMMISSION MERCHANTS
55 & 57 West 26th St., New York

H. E. FROMENT

WHOLESALE FLORIST

57 WEST 28th STREET, NEW YORK

Telephone 2200-2201 Madison Square

RECEIVER AND SHIPPER OF CHOICE CUT FLOWERS, AMERICAN BEAUTIES, KILLARNEYS, RICHMONDS, BRIDESMAID AND BRIDE ROSES, VIOLETS, CARNATIONS.

BEAUTIES — KILLARNEY — RICHMOND

In this line we can offer you good value, particularly in the top grades. You should see them, if you have not already done so. Buyers will see in this stock a good opportunity for successfully expanding their volume of business.

CARNATION ROOTED CUTTINGS

Alma Ward, \$7.00 per 100, \$60.00 per 1000.

Mrs. C. W. Ward, \$6.00 per 100, \$50.00 per 1000.

Send for descriptive list.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Dec. 6		Dec. 6		Dec. 6		Dec. 8	
ROSES								
Am. Beauty, Fancy and Special...	30.00	to 40.00	28.00	to 35.00	.....	to 40.00	30.00	to 40.00
" Extra	25.00	to 30.00	30.00	to 25.00	.....	to 30.00	15.00	to 25.00
" No. 1	15.00	to 20.00	10.00	to 20.00	20.00	to 25.00	10.00	to 12.00
" Lower grades	5.00	to 10.00	5.00	to 10.00	6.00	to 15.00	6.00	to 8.00
Bride, 'Mald, F. & S.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	4.00	to 8.00
" Lower grades	2.00	to 5.00	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.	6.00	to 10.00	8.00	to 10.00	10.00	to 12.00	6.00	to 16.00
" Lower grades	3.00	to 5.00	6.00	to 8.00	4.00	to 8.00	2.00	to 4.00
Maryland, Chateauy, Fan. and Sp.	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	4.00	to 10.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	2.00	to 3.00
CARNATIONS, First Quality...								
" Ordinary	3.00	to 5.00	3.00	to 4.00	.....	to 2.00	2.00	to 4.00
"	2.00	to 3.00	2.00	to 3.00	.....	to 1.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	75.00	to 100.00	62.00	to 75.00	.....	to 75.00	50.00	to 60.00
Lilies, Longiflorum .....	.....	to 12.00	12.50	to 15.00	6.00	to 12.00	8.00	to 18.00
Lily of the valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets .....	.75	to 1.50	.75	to 1.75	.75	to 1.50	.75	to 1.00
Chrysanthemums	10.00	to 25.00	15.00	to 25.00	15.00	to 25.00	12.00	to 15.00
Daisies	1.00	to 1.50	.....	to 1.50	1.50	to 2.00	.....	to 1.00
Snape .....	.....	to 1.00	.....	to 1.00	.....	to 1.00	6.00	to 8.00
Sweet Peas .....	.75	to 1.00	.....	to 1.00	.50	to 1.00	.50	to .75
Roman Hyacinths, Paper Whites ..	5.00	to 6.00	8.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Gardenias	25.00	to 50.00	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00
Adiantum .....	.....	to 1.00	.00	to 1.25	1.00	to 1.50	1.00	to 1.25
Smilax	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	8.00	to 12.00
Asparagus Plumosus, strings (100) ..	60.00	to 75.00	60.00	to 70.00	.....	to 50.00	.....	to 50.00
" " & Soren (100 bchs) ..	35.00	to 50.00	24.00	to 35.00	35.00	to 50.00	.....	to 25.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL., Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers

Roses and Carnations Our Specialty

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO - N. Y.

KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply House

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

Flower Market Reports.

BOSTON This market has a good healthy tone and price fluctuations are insignificant, the values of Thanksgiving week being closely approached on most staples uninterruptedly ever since. The stormy weather has retarded crops considerably and unless unseasonably warm temperatures should intervene we look to see the situation held well in hand until after the holidays. No finer roses have ever been offered in this market than are seen at the present time. This is especially the case with the Killarneys, Richmond and Maryland. American Beauty begins to lag both in quantity and quality. Carnations are a little more plentiful and prices have eased up somewhat. Single violets are in good supply and fair demand while the doubles are moved with difficulty. Lily of the valley has had a very light call and the greater part of it has been of very poor grade of late. Chrysanthemums are practically over. Some stock has been received frozen, due to insufficient protection against the cold. All greens such as holly, laurel and boxwood are having a big advance sale already, and it looks as though this would be a record year for this class of material.

Thanksgiving seems to have fixed the prices for the remaining weeks previous to the Holidays. There has been no decline and the chances are there will be none. Any changes that have been made are advances and with the continued cloudy weather more advances may be anticipated. Cattleyas are extremely scarce and twelve dollars per doz. wholesale is steadily maintained. The few that are grown locally are of a fine quality, but there are not enough to meet the demand even with the eastern supply. Beauties are not over abundant and higher prices are expected. Carnations and all kinds of roses are feeling the effect of the dark days and the growers are finding their stock shortening up each day. Christmas trees made their appearance this week and many of the retail florists have trimmed their windows with suggestions of the holiday season. All kinds of greens are in about the usual quantity; no shortage is anticipated in this line.

There was a slight falling off in the demand the past week. If business had been really brisk the supply of stock would have been entirely inadequate. Supplies have been considerably reduced and a brisk demand would set wholesalers skirmishing to fill orders. Chrysanthemums are no longer a factor in the market, there being only a limited amount of Jeannie Nonin and Chadwick to be had. Receipts of Beauties are light but the stiffening in price makes the supply sufficient for present requirements. Killarney and Bridesmaids are coming a shade more plentiful. There is an abundant supply of Brides and Ivory, with a good demand. Carnations continue very scarce and reports from most growers show that the outlook is very poor for a large crop for Christmas. The demand for double violets was good up to last Friday and since then up to the pres-



Holly Wreaths

Of the very best holly, plenty of berries, not the ordinary cheap kind, but full, well made wreaths; plenty of material in them.

Per Hundred \$15.00
Extra Heavy and Large . . . \$20.00, \$25.00, \$50.00
Cut Poinsettias \$25.00, \$30.00, \$35.00
Christmas Greens, write for our full list.

TWO SPLENDID NEW ROSES

MELODY and DOUBLE KILLARNEY

Orders booked in rotation, deliveries during March.

Write for Descriptive List and Prices

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA, 1608-20 Ludlow St. NEW YORK, 108 W. 28th St.
WASHINGTON, 1212 New York Ave.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Dec. 6	DETROIT Dec. 6	BUFFALO Dec. 8	PITTSBURG Dec. 6
Am. Beauty, Fan. and Sp.	35.00 to 50.00	25.00 to 35.00	25.00 to 35.00	30.00 to 40.00
" Extra	30.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" No. 1	20.00 to 30.00	15.00 to 20.00	10.00 to 12.00	10.00 to 15.00
" Lower grades	8.00 to 20.00	4.00 to 12.00	4.00 to 7.00	6.00 to 8.00
Bride, 'Maid, F. & S.	6.00 to 8.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
" Low. gr.	4.00 to	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00
Killarney, Richmond, Fan. & Sp.	8.00 to 10.00	6.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Lower grades	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Maryland, Chatenay, Fan. and Sp.	8.00 to 10.00	6.00 to 10.00	8.00 to 10.00	6.00 to 10.00
" Lower grades	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	4.00 to 4.00
" Ordinary	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to	75.00 to	85.00 to	75.00 to
Lilies, Longiflorum	10.00 to 12.50	12.50 to 15.00	12.00 to 15.00	8.00 to 12.00
Lily of the Valley	4.00 to 4.00	3.00 to 4.00	4.00 to 5.00	4.00 to 5.00
Violets . . . . .	.35 to .50	1.00 to 1.50	1.00 to 1.25	.75 to 1.00
Chrysanthemums	4.00 to 18.00	10.00 to 25.00	8.00 to 25.00	10.00 to
Snapdragon	2.00 to 6.00	6.00 to 8.00	2.00 to 5.00	1.00 to
Sweet Peas . . . . .	.50 to .50	1.00 to . . . .	.50 to .75	1.00 to 1.50
Roman Hyacinths, Paper Whites	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Gardenias	3.00 to	3.00 to 3.00	50.00 to 60.00	35.00 to 50.00
Adiantum	1.00 to .75	1.50 to	1.00 to 1.00	1.00 to 1.50
Smilax	10.00 to 15.00	15.00 to 25.00	10.00 to 12.00	10.00 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	20.00 to 30.00	50.00 to 60.00	50.00 to 50.00
" " & Spreng. (100 bchs.)	15.00 to 25.00	20.00 to 30.00	25.00 to 50.00	40.00 to 40.00

ent writing—Dec. 6, there has been a decided falling off in sales. Single violets are still off crop but from present indications there will be a good crop

for the holidays, for with most of the growers plants are well budded. Narcissus is coming in more plentifully

(Continued on page 843)

A. L. YOUNG & CO.

WHOLESALE FLORISTS

Choice Cut Flowers

CONSIGNMENTS SOLICITED

54 West 28th St., NEW YORK

Prompt Payments. Telephone 3559 Madison Sq

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street. New York

Telephones 4626-4627 Madison Square

Edward C. Horan

Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.

**Greater New York
Florists' Association, Inc.**

Now Open for Cut Flower Consignments.

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 758
Madison Square New York

B. S. SLINN, JR.

Wholesale Florist

55 & 57 W. 26th St., New York

Tel 3864 Madison Sq.

AUGUST MILLANG

WHOLESALE FLORIST

41 West Twenty-Eighth Street

NEW YORK

'Phones 3860-3816 Madison Square

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist

A full line of Choice Cut Flower Stock for all purposes.
by the 100, 1000 or 10,000

SELLING AGENT FOR
LARGEST GROWERS
The HOME OF THE LILY

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES

ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS

Where best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.

J. K. Allen, 106 W. 28th St., New York Phone 167-4458
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Dec. 3 1910		First Half of Week beginning Dec 5 1910	
American Beauty, Fancy and Special.....	30.00	to 40.00	30.00	to 40.00
" " Extra.....	25.00	to 30.00	15.00	to 20.00
" " No. 1.....	10.00	to 15.00	8.00	to 12.00
" " Lower Grades.....	4.00	to 6.00	3.00	to 6.00
Bride, 'Maid, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fancy and Special.....	8.00	to 10.00	8.00	to 10.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland, Chateaux, Fancy and Special.....	6.00	to 10.00	5.00	to 10.00
" " Lower Grades.....	3.00	to 4.00	3.00	to 4.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 4.00
" " Ordinary.....	1.50	to 2.00	1.50	to 2.00

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones 166 Madison Square

CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenk

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

'Phone 2336-3357 Mad. Sq.

Greenhouses: Forest Hill, N. J.

KESSLER BROS.

WHOLESALE PLANTSMEN AND FLORISTS

136-138 West 28th Street, NEW YORK

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.

WM. P. FORD

Wholesale Florist

45 W. 28 Street, NEW YORK

Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.

Wholesale Florists

A. MOLTZ MAURICE L. GLASS

Coogan Building, 55-57 West 26th Street
NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

Flower Market Reports

(Continued from page 841)

as are also callas and sweet peas. Lilies are received in limited numbers and sell well. More stevia could be sold. Lily of the valley is in light demand. The call for green goods is normal.

Weather conditions NEW YORK and the crop situation generally favor a steady market, undisturbed by overstock in any line until after the holidays. The chrysanthemum is nearing its final exodus, small Bonnaffons, yellow and white Chadwick, Timothy Eaton Nagoya, McArthur, and a few ragged white and pink loiterers being about all there is in sight now. This leaves the field clear for other material and there is no surplus of anything to make trouble. At the same time the legitimate demand is not sufficiently ravenous to induce any noticeable advance in values and consequently affairs are running on an even keel and giving no particular worry to anybody. The only people who are anyway concerned are the wholesalers who, with the recent additions to their already over full ranks, see their hard-earned commission sub-divided among so many that the outlook presents a rather unpropitious aspect. Roses are in fair supply and excellent in quality. Carnations and violets are on the short side. Cattleyas are extremely so and cannot be had in any great quantity, but the prospect is good for a fair supply for the Holidays. Lilies are sufficient for all demands, as are lily of the valley, stevia, Roman hyacinths and paper white narcissi. The hyacinths and narcissi are already too plentiful and prices are at low tide. The hyacinths run inferior in size generally but will improve. We advise those of our readers who are likely to be in the market as buyers for Christmas to get their orders placed early as, with normal weather conditions, there is no prospect of a panicky market. See the advertisements of the leading wholesale dealers in this paper.

As is usual after a holiday week, the first few days after Thanksgiving were rather dull, and long faces were seen in the wholesale flower markets. But this did not last long, and the week wound up with a satisfactory record. In fact, by Saturday, it was quite evident that things were back again to normal, and

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 3 1910		First Half of Week beginning Dec. 5 1910	
Cattleyas.....	75.00	to 100.00	75.00	to 100.00
Lilies, Longiflorum.....	6.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 4.00	2.00	to 4.00
Violets.....	.50	to 1.00	.50	to .75
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Chrysanthemums.....	5.00	to 15.00	5.00	to 15.00
Sweet Peas.....	.50	to .75	.50	to .75
Roman Hyacinths, Paper Whites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	15.00	to 35.00	15.00	to 35.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spren. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

in some items—notably in carnations and orchids—the market took quite a jump. At this writing the tone is firm and tending upward all along the line; and will in all likelihood remain so until after the holidays. The cloudy weather has to do with the carnation situation, of course; but also in a greater degree to the fact that many growers lost much young stock and filled up with sweet peas and other quick catch-crops. So that there is a sound physical reason for the smaller than average supply locally of carnations at this time. There is a fine supply of high-grade roses, and these high grades while going all right are not always just what the market demands. The call at present is more for the lower grades, and there is not enough of these to satisfy. In chrysanthemums, there are still a few to be seen around. Chadwick and Nonin mostly. Lily of the valley is very good and not overplentiful. The same may be said of violets. There is a good regular supply of gardenias and white lilac to be had, as well as Roman hyacinths, paper whites, wallflowers, lupins, snapdragons, etc. A novelty seen in one market—pussy willow. We did not learn where this came from. Melody rose is seen around, but is not to be had yet except by the favored few. Greens, such as holly, lycopodium, etc., for Christmas, appear to be scarce. The reason for this has not yet been explained; but it seems to be an undoubted fact. It looks as if there would be a scramble for this class of stock during the next few days.

NEWS NOTES.

Lexington, Ky.—W. S. Bell has retired from the greenhouse business.

Eaton, Ind.—A large vegetable growing house has been opened here by Warren Sherry & Co.

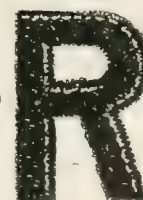
Collegeport, Tex.—A branch nur-

sery will be established here on land recently purchased by E. S. Stockwell & Son of the Gulf Coast Nursery at Alvin.

New York, N. Y.—George and Walter Siebrecht have opened a wholesale cut flower business under the name of Siebrecht & Siebrecht at 136 West 28th street.

THE BEST LETTERS

FOR
FLORISTS'
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 | 5893 | Mad. Sq. 113 W. 28 St., New York.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Recultures

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AIR PLANTS

Japanese air plants, in caboes, \$2.00 per doz.; in baskets, \$1.50 to \$3.00 per doz.
Geo. A. Kuhl, Pekin, Ill.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprenger, 3 in., 4c.; 4 in., 8c. Strong, bushy stock. Luther Maynard, R. 13, Knoxville, Tenn.
Asparagus Sprenger, strong, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

ASTERS.

Elmer D. Smith & Co., Adrian, Mich.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Azaleas, 75c., \$1.00 and \$1.25. Geo. A. Kuhl, Pekin, Ill.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.
Begonia Gloire de Lorraine, 2½ in., fine stuff for filling made up baskets, \$10.00 per 100. Cash, please. Joseph Traudt, Canajoharie, N. Y.
Gloire de Lorraine begonias, 3½ in., 25c.; 4 in., 35c.; 5 in., 50c. Rex begonias, 2½ in., \$5.00 per 100. Four flowering varieties at same price. Geo. A. Kuhl, Pekin, Ill.

REN BEGONIAS

My specialty. Largest collection, \$5.00 per 100, \$15.00 per 1000; 250 at 1000 rate.
B. C. BLAKE.
Springfield, Ohio, Box 817.

BERRIED PLANTS

Black and red berry bushes, 10c. ea.; \$6.00 per 100. Cash please. Anton Cioban, Virden, Ill.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BOXWOOD SPRAYS

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N.Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds," New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
Hyacinths, Tulips, Narcissus.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
F. R. Pierson Co., New York, N. Y.
Specialties in Bulbs.
For page see List of Advertisers.
Pottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.
E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CACTI

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

CANNAS

BEST CANNAS IN THE WORLD.
Send for our new lists of latest and best 55 kinds. Stock excellent, prices right.
Conard & Jones Co., West Grove, Pa.
CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS GREENS, FLOWERS AND SUPPLIES

Welch Bros., Boston, Mass.
For page see List of Advertisers.
N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS POT PLANTS

Pearce Bros., Waltham, Mass.
For page see List of Advertisers.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.
For page see List of Advertisers.
Chrysanthemum stock plants. Glory of Pacific and Estelle, \$1.75 per 100. Cash, please. J. J. Clayton, West Grove, Pa.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white. MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.
Chrysanthemum Stock Plants. Early Snow, Polly Rose, Kalb, Touse, Poehlmann, Eaton, Nonin, Baby Margaret, Pacific Supreme, Gloria, Liger, Duckham, M. F. Plant, Maud Dean, Leo (Pink Pompon), Shrimpton, Cullingfordii, Golden Glow, Monrovia, Georgianna Pitcher, Yellow Eaton, Col. Appleton, Golden Wedding, etc., \$4.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 75c. per doz, \$6.00 per 100; Mrs. Wm. Wincott (White) and Mrs. Wm. Peacock (Pink), 1910 Novelties, \$2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

For List of Advertisers See Page 850

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COCOS WEDDELIANA

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nabant, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whitton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—"Your Cyclamens are the best of five growers we bought from." And they gave us the second order. 4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ. Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
For page see List of Advertisers.

Herbert, Acto, N. J.
For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 7500 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

FERNS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

Holiday Ferns.

For page see List of Advertisers.

H. LePage, Stamford, Conn.
Table Ferns.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitmanii, 2½-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2½-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

Frame grown Boston Ferns ready for delivery. Good 5-in., 15c. ea.; \$10.00 per 100. Anton Cloban, Virden, Ill.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

FEVERFEW, DOUBLE WHITE.

Fine 3-in. plants, \$2.50 per 100; \$20.00 per 1000.

ADOLPH E. E. KOCH, Nobscoot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geranium S. A. Nutt, strong 2-in., ready for shift, \$2.00 per 100; 300 for \$5.00. Crook Bros., Brewer, Maine.

UNDER FOR SALE

Geraniums, 2-in. strong. Alphonse Ricard, Beaute Poitevine, Mme. Barney, S. A. Nutt, John Doyle, Berthe de Presilly, La Favorite, Jean Vland, Madonna, E. H. Trego, Jas. Vick, Le Soleil, Heteranthe, Mrs. E. G. Hill, Precursor, \$2.50 per 100. Cash. H. G. Norton, Perry, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

SURPLUS STOCK of choice named gladioli. Bulbs and bulbets of magnificent novelties and standard sorts. Also choice hybrid seed. L. Merton Gage, Orange, Mass.

Gladioli, new forcing Pink Beauty, great early bloomer. May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

GLASS

Boston Plate & Window Glass Co., Boston.
For page see List of Advertisers.

Standarn Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

GLASS—Continued

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. Auburndale Goldfish Co., 920 Randolph St., Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.

For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

HOLLY

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 4 in., \$8.00 per 100; 3 in., \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., \$10.00 per 100; the same, 8 to 12 in., \$6.00 per 100. Gladoli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, \$3.00 per 100; \$25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.

For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.

For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem cherries, in fine color, 3-in., \$10.00; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

J. M. Thorburn & Co., New York, N. Y.
For page see List of Advertisers.

LILIUM MULTIFLORUM AND GIGANTEUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

For page see List of Advertisers.

LILY OF THE VALLEY

Arthur T. Roddington, New York, N. Y.
Cold Storage.

For page see List of Advertisers.

J. M. Thorburn Co., New York, N. Y.

Lilly of the Valley Pips.

For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.

West Newbury, Mass.

For page see List of Advertisers.

The F. E. Conine Nursery Co.,

Stratford, Conn.

Specimen Trees, Evergreen and Deciduous.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grower Stock.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 850

NURSERY STOCK — Continued

R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.

BERBERIS THUNBERGII. New clean SEED. \$1.50 per lb.; \$6.50 per 5 lbs. CLEMATIS PANICULATA, \$2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

John DeBuck, New York, N. Y.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmelske, 72 Court St., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT PRESERVATIVE

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of \$1.00. BARTON, 413 Columbus Ave., New Haven, Conn.

PLANT STAKES

Seele's Teiless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primroses, Chinese, Forbesi and obconica, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

PRIVET

California, Amoor River and Thunbergs Barberry. Cal., all 2 yr., 5 to 15 in. branches, \$5.00, 1000; 12 to 18 in., 2 to 5 branches, \$7.50, 1000; 18 to 24 in., 3 to 6 branches, \$10.00, 1000; 24 to 30 in., 5 to 8 branches, \$15.00, 1000; 30 to 36 in., 6 to 10 branches, \$20.00, 1000; Amoor River (hardy), 12 to 18 in., \$11.00, 1000; 18 to 24 in., \$15.00, 1000; 24 to 30 in., \$18.50, 1000; 30 to 36 in., \$22.50, 1000; 36 to 48 in., \$30.00, 1000; all 2 yr., well branched. Thunbergs Barberry, 1 to 2 ft., well branched, \$3.00, 100. F. O. B. Cash with order. Valdesian Nurseries, Bostic, N. C.

RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
New Irish Forcing Rose, "Melody."

We want quotations from those who can supply large quantities of Baby Rambler roses in all three colors, red, white and pink; thrifty 1-year-old outdoor grown plants, not necessarily large, but with good roots, something sure to grow; would not want heavy plants as they must be mailed by us. Who can quote close prices on large quantities? Henry Field Seed Co., Shenandoah, Iowa.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barborton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Giganteum Seed.
For page see List of Advertisers.

Fottler, Flske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

SEEDS — Continued

- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
For page see List of Advertisers.
- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
- Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.
- Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.
- J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.
- S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snapdragon, rooted cuttings, white, light pink, rose pink, \$2.00 per 100; \$18.00 per 1000. Adolph E. E. Koch, Nobscoot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum Moss per bale 75 cents, 10 bales \$6.50. Cash with order. Chas. F. Uecke, New London, Wis.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLET BLOOMS

Marie Louise Violet Blooms, A No. 1 quality, ready now, \$1.50 per 100. Christmas week, \$1.75 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St.
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316 Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Foid, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Wm. H. Kuehler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Shinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.

Frank Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

New Offers in This Issue.**BEGONIA GLORY OF CINCINNATI.**

J. A. Peterson, Cincinnati, O.
For page see List of Advertisers.

BEST CHRISTMAS PLANTS.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

CHRISTMAS PLANTS.

John M. McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

CARNATION WASHINGTON.

Chicago Carnation Co., Chicago, Ill.
For page see List of Advertisers.

CHRISTMAS FLOWERS.

Poehlmann Bros. Co., Chicago, Ill.
For page see List of Advertisers.

CUT FLOWERS FOR HOLIDAYS.

J. A. Budlong, Chicago, Ill.
For page see List of Advertisers.

FINE FERNS.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

CYCLAMENS.

Converse Greenhouses, Webster, Mass.
For page see List of Advertisers.

CHOICE CUT FLOWERS FOR HOLIDAYS.

H. E. Froment, New York, N. Y.
For page see List of Advertisers.

CYCLAMEN SEED, EXTRA VALLEY PIPS.

"Buds," New York, N. Y.
For page see List of Advertisers.

CHRISTMAS DELIVERIES IN BOSTON AND VICINITY.

Thomas F. Galvin, Boston, Mass.
For page see List of Advertisers.

CATTLEYA SUPERBA.

Colin Campbell, New York, N. Y.
For page see List of Advertisers.

CARNATION CUTTINGS.

J. D. Thompson Carnation Co., Joliet, Ill.
For page see List of Advertisers.

CHOICE CHRISTMAS SPECIALTIES.

P. J. Smith, New York, N. Y.
For page see List of Advertisers.

CHRISTMAS FRUITED FLOWERING AND DECORATIVE PLANTS.

Anton Schultheis, College Point, N. Y.
For page see List of Advertisers.

CHRISTMAS HOLLY AND GREENS.

Henry M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

CATALOGUE OF XMAS DECORATIONS.

W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

CHRYSANTHEMUM STOCK PLANTS.

Wm. Swayne, Kennett Square, Pa.
For page see List of Advertisers.

CARNATION BRIGHT SPOT.

Nic Zweifel, North Milwaukee, Wis.
For page see List of Advertisers.

CHRISTMAS FERNS.

R. G. Hanford, Norwalk, Conn.
For page see List of Advertisers.

CEMENT BENCHES.

E. H. Hunt, Chicago, Ill.
For page see List of Advertisers.

CRAIG CHRISTMAS SPECIALTIES.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

EXHIBITION SPACE.

National Flower Show, Boston, Mass.
For page see List of Advertisers.

NEW OFFERS IN THIS ISSUE—Continued**ENGLISH MISTLETOE.**

Moore, Hentz & Nash, New York, N. Y.
For page see List of Advertisers.

EVERYTHING IN CUT FLOWERS.

Badgley, Riedel & Meyer, New York, N. Y.
For page see List of Advertisers.

EVERYTHING IN CHRISTMAS FLOWERS.

J. K. Allen, New York, N. Y.
For page see List of Advertisers.

FLORIST SUPPLIES AND RIBBONS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER TRANSFER ORDERS.

Young & Nugent, New York, N. Y.
For page see List of Advertisers.

FUNGINE.

Aphine Manufacturing Co., Madison, N. J.
For page see List of Advertisers.

GERANIUM CUTTINGS.

F. Schell & Co., Lancaster, Pa.
For page see List of Advertisers.

HOLIDAY FLOWERS.

M. C. Ford, New York, N. Y.
For page see List of Advertisers.

HOLIDAY PLANTS AND FLOWERS.

August Millang, New York, N. Y.
For page see List of Advertisers.

HOLIDAY FLOWER SUPPLIES.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

HEADQUARTERS FOR ORCHIDS AND FANCY FLOWER SPECIALTIES.

James McManus, New York, N. Y.

HOLIDAY CUT FLOWERS.

Wm. P. Ford, New York, N. Y.
For page see List of Advertisers.

HOLLY WREATHS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

HARDY ROSES, RAMBLERS, BABY RAMBLERS, ETC.

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

HOLLY AND HOLLY WREATHS.

A. K. Savacool & Co., Camden, N. J.
For page see List of Advertisers.

KROESCHELL GENERATOR.

Kroeschell Bros. Co., Chicago, Ill.
For page see List of Advertisers.

NEW FORCING H. T. ROSE QUEEN, ROSE MRS. AARON WARD, CARNATIONS AND CHRYSANTHEMUMS.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

POTASH.

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

POT PLANTS WANTED.

C. C. Trepel, New York, N. Y.
For page see List of Advertisers.

POT-GROWN FORCING STOCK.

N. E. Nurseries, Bedford, Mass.
For page see List of Advertisers.

RARE PLANTS FROM CHINA.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

PLANT POTS AND PEDESTALS.

Jones, McDuffee & Stratton Co., Boston, Mass.
For page see List of Advertisers.

SPECIAL BULB OFFER.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

TWO NEW CARNATIONS.

F. Dörner & Sons Co., LaFayette, Ind.
For page see List of Advertisers.

TWO NEW RAMBLER ROSES.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Siebrecht & Siebrecht, New York, N. Y.
For page see List of Advertisers.

XMAS PLANTS.

Thomas Roland, Nabant, Mass.
For page see List of Advertisers.

FOREIGN PLANT INTRODUCTIONS

Echeveria Hoveyi hort. (Crassulaceae.) 28673. Plants turned over to the Department for distribution, by Dr. J. N. Rose, Associate Curator, Division of Plants, United States National Museum. Usually stemless, but when old developing a short stem; leaves forming a loose spreading rosette, pale green with broad pinkish or white margins, and these more or less wavy or sometimes colored



Echeveria Hoveyi.

throughout; flowering stem a second raceme bearing 6 to 12 flowers; corolla pinkish. The origin of this form is unknown, but it is probably some horticultural sport or hybrid but does not closely resemble any of our common cultivated forms, although it may be said to belong to the group of species in which *Echeveria secunda* and *Echeveria glauca* is found. (See photograph above.) For immediate distribution.

Spondias dulcis. 28090. The WE fruit or golden-apple from Port of Spain, Trinidad. Presented by Mr. F. Evans. See S. P. I. No. 26470 for description. For distribution later.

Trifolium sp. 28045. From near Guda-ur, Caucasus. A perennial clover found on dry mountain slopes at elevations of about 7,000 feet above sea level. Apparently able to stand severe cold and is very drought resistant. (Meyer's introduction.)

Solanum tuberosum. (Solanaceae.) 28780. Tubers from Paraguay. Presented by Mr. C. F. Mead of Piropo. "It will stand frost equal to tomato vines. The tubers above ground are very similar to potatoes, but the color is dark, from yellow to red. There are also white tubers below the ground, the same as regular potatoes, but very small. It may be possible by selection and crossing to induce plants to bear marketable potatoes, both below and above ground. It is not as heavy a cropper as the regular potato and the necessity for a trellis makes its economic value doubtful." (Mead.) For distribution later.

Unidentified. (Silenaceae.) 28264. Roots from mountains near Bacharden, Turkestan. A very ornamental, low-growing perennial plant belonging to the Silenaceae, bearing a mass of dark, rosy-red flowers in early June. Growing between rocks and boulders on sunburned mountain sides. (Meyer's introduction.) For distribution later.



Do You Know What You Want?

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See ?



AN APPLE PREMIUM.

The accompanying illustration depicts the handsome silver cup presented by the B. G. Pratt Company of



New York to the Massachusetts Fruit Growers' Association for competition at their meeting in Worcester, Mass., next March. If you are interested write to F. Howard Brown, Sec'y, Marlboro, Mass., for full particulars as to conditions of competition.

NEWS NOTES.

Chicago, Ill.—Mrs. Iva W. Weinhoeber, wife of George V. Weinhoeber, has been granted a divorce.

Little Falls, Minn.—On account of ill health A. E. Herrick is going out of the greenhouse business.

Lee, Mass.—The Allen Nursery Co. of Rochester are advertising for an agent for this part of Berkshire.

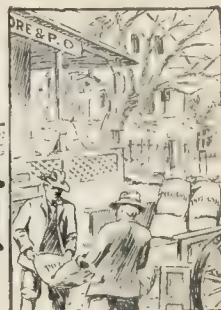
Benton Harbor, Mich.—The Slanker Nursery Co., with Frank Slanker of Bainbridge at its head, is a new industry for Benton Harbor.

Cincinnati, Ohio.—The Morgan Floral Co., is increasing its capital stock from \$3,500 to \$5,000. Incorporators, C. A. Morgan, E. A. Eckert and others.

Sturgeon Bay, Wis.—The Sturgeon Bay Orchard & Nursery Co. has bought 160 acres of land near the city limits, all of which will be planted to fruit.

Gays Mills, Wis.—One hundred acres of land here have been purchased by the Gays Mills Fruit, Farm & Nursery Co. They intend to plant the entire acreage to apples in the near future. This firm was recently incorporated with a capital stock of \$20,000 by John A. Hayes, O. A. Sherwood and H. W. Stuckey.

Amherst, Mass.—Prof. Fred C. Sears of the Horticultural Dept. of the Massachusetts Agricultural College has just returned from a trip to the Pacific Coast where he was one of the judges for the First National Canadian Apple Exhibition at Vancouver, B. C., after which he visited the Third Annual Apple Exhibition at Spokane, Wash.



DO NOT DELAY! Order Your Potash Now

Every spring there is less potash in your local market than the farmer needs and wants to buy. There is a reason for this. You expect to order potash with the other fertilizers, forgetting that potash must come some four thousand miles. This takes time.

Those who want to insure arrival in time, place their orders as early as October to permit shipment before the German rivers are frozen. Late orders are subject to more risks and delays.

Arrange for your dealer to place his order now so as to be sure of a supply. If he does not handle it write us for prices direct from the mines to you.

Do not forget that the longer you have used phosphate the greater is the present potash need and profit.

GERMAN KALI WORKS, Continental Bldg., Baltimore, Md.
Monadnock Block, Chicago, Ill.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

*green flies and
black ones too*

are easy to kill with **The Fumigating Kind**
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOHOFF CO. MOUNT VERNON, N. Y.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

INCORPORATED.

Madison, N. J.—The Model Stemmer Co., florists materials and supplies, capital stock \$10,000. Incorporators, Edward H. Behre, Anne Behre and Susana Simonson.

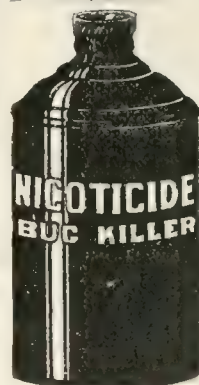
Brooklyn, N. Y.—James Weir, Inc., general florist business, capital stock \$15,000. Incorporators, James Weir, Harold Young and Ernest C. Brower, all of Brooklyn, N. Y.

Springfield, Ohio.—The Reeser Plant Co., H. Reeser, John M. Good, J. F. Busing, C. A. Schaefer and Arthur Todd, incorporators.

FIRE RECORD.

New Bedford, Mass.—Fire damaged the greenhouses of Wm. E. Mosher, Dec. 3rd, to the extent of about \$1,500; no insurance.

Pittsburgh, Pa.—The greenhouses of Mrs. Elicker were damaged by a supposed incendiary fire to the extent of \$200.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for

*Dusting or
Fumigating*

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St.
New York. #

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

In planning your new greenhouses plan for

CEMENT BENCHES

They have proven a success with those who have built them right.

Write us for information and we will tell you how.

E. H. HUNT, 74-76 Wabash Ave.,
CHICAGO, ILL.

**FOR "POT LUCK" TRY US...
HEWS STANDARD POTS**

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.



DREER'S Florist Specialties. New Brand New Style. Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Philadelphia, Pa. — Carl Dittrich, three houses.

Jamestown, N. Dak. — Wheeler Floral Co., one house.

Maywood, Ill. — Wm. Wichtendahl, house 25 x 100 feet.

Chicago, Ill. — Ed. Meuret, Park Ridge, house 27 x 210 feet.

Sheridan, Wyoming. — The Best Floral Co., house 27 x 60 feet.

Kankakee, Ill. — Schaefer Green houses, 5 houses each 23 x 250 feet. Also heating plant and office.

NEWS NOTES.

Pontiac, Ill. — W. J. Miller & Son, East Payson street, will be ready for business at their new greenhouse on or about Dec. 10th.

Randolph, Vt. — H. M. Totman has added a storage shed 20x50 feet with coal pocket and subway connecting it with the greenhouse cellar.

Ontario, Calif. — A packing shed and shipping house 96x100 feet is being added to the Armstrong Nurseries at D street and Euclid avenue.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/4 " " " 5.25	144 6 in. pots in crate \$3.86
1500 2 1/2 " " " 6.00	120 7 " " " 4.80
1000 3 " " " 5.00	60 8 " " " 3.00
800 3 1/2 " " " 5.80	
500 4 " " " 4.50	HAND MADE
450 4 1/2 " " " 5.24	48 9 in. pots in crate \$3.60
320 5 " " " 4.51	48 10 " " " 4.80
200 5 1/2 " " " 3.78	24 11 " " " 3.60
	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N.Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY FOR OUR

Florist' Red Pots is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us. THE PETERS & REED POTTERY CO. Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

CHARLES H. DODD

Greenhouse Builder.
Heating and Ventilating.
Ideal Greenhouse Boilers.
Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

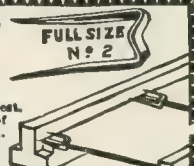
BROOKLYN, N. Y.

Holds Glass Firmly

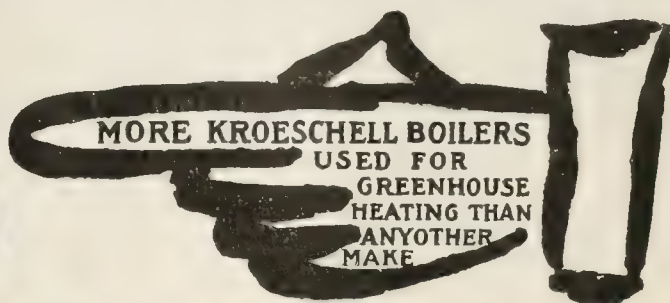
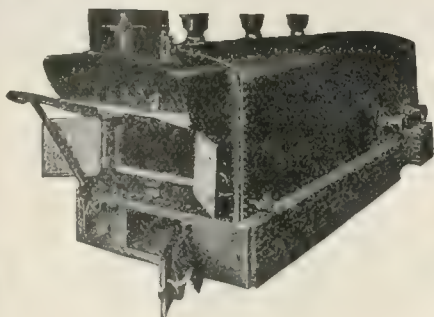
See the Point of
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



CAN SHIP ANY SIZE AT ONCE



**MORE KROESCHELL BOILERS
USED FOR
GREENHOUSE
HEATING THAN
ANY OTHER
MAKE**

Telegraph Order

THE KROESCHELL GENERATOR should be on every Hot Water Heating System—it speeds up the circulation. SEND FOR CATALOGUE.

Kroeschell Bros. Co.
466 West ERIE ST., CHICAGO

Louisiana Red Cypress Greenhouse Material

STEEL GUTTERS, TRUSSES, PURLINS, PIPE FITTINGS, GLASS, ETC.

PRIVATE AND CONSERVATORY WORK A SPECIALTY

Write for prices on our latest ventilating machines, "The Best in the Market"

The Foley Manufacturing Co.

Western Ave. and 26th St., CHICAGO

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

ADVANCE

Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
RICHMOND, IND.



TO BUYERS

Patronize our advertisers, they will treat you right

MERRY CHRISTMAS

Here we are again at Christmas and another year almost gone. It is time to be making plans for next season and taking thought as to how this year's work can be improved on in 1911. If you have greenhouses you are probably thinking of making an addition; if you are a retailer you expect to make your store nicer and neater than ever, possibly build a conservatory or a show house. If you have anything in the greenhouse line don't forget to consult us before you build and get our prices. We can interest you in our material if you only give us a chance. . . This is our 42nd successful year. We wish you all a Merry Xmas and much success for the New Year.

JOHN C. MONINGER CO.

910 Blackhawk St., CHICAGO

CONSERVATORY CONSTRUCTION



OUR PRIVATE WORK HAS MADE A NAME FOR ITSELF. SECOND TO NONE. BEING PLEASING TO LOOK AT AS WELL AS THOROUGHLY SCIENTIFIC AND PRACTICAL IN CONSTRUCTION.

Let us submit you Sketches and Estimates

KING CONSTRUCTION CO.

N. Tonawanda, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.

NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address

John G. Esler, Sec'y, Saddle River, N. J.

Christmas Present

GET ONE FOR YOUR BOILER

Quicker Heat and Even
Temperature

Arthur Taylor, Boonton, N. J., writes:

The Generator is giving good satisfaction. It adds to the capacity of the boiler by increasing the velocity of the hot water circulation. It also maintains a steadier and more even temperature all over the houses when in use. In case of sudden change in the weather, the pipes can be made hot very quickly. With the thermometer registering zero outside it was no trouble to keep up the temperature in the houses, the boiler running seven hours without attention.

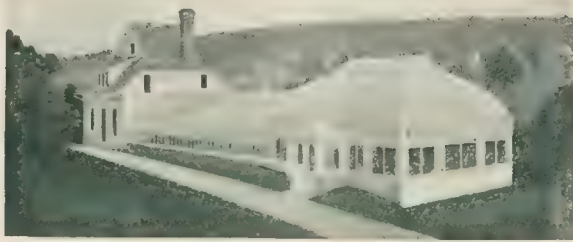
I had no trouble in connecting the Generator to our heating system, following your instructions and the blue print you sent. I feel that the Generator would benefit any system of hot water heating.



THE KROESCHELL GENERATOR
IT SPEEDS UP CIRCULATION

Kroeschell Bros. Co.

466 West Erie Street
CHICAGO, ILLINOIS



PEAKING of Laying Out a House so that it shall be Perfectly Balanced Now and With Additions

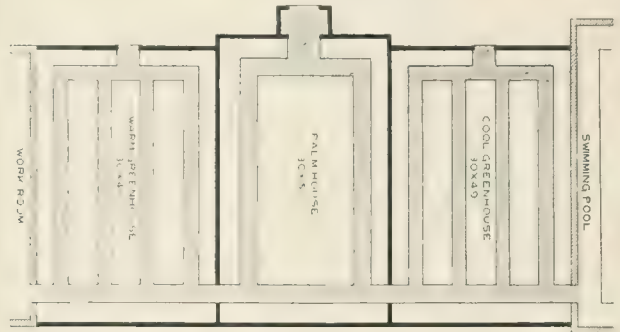
Here is one that fills the bill. A wing house could be added to the other side of the work-room or to this side of the palm house, or to both, and still the layout would be attractive. There is much in planning, with additions in mind. Many a well built house is spoiled because of the wrong plan—many a good plan ruined because of the wrong construction. Why not have both points good? Write to us.

Hitchings & Company
1170 BROADWAY NEW YORK



Plan 99

This decidedly interesting group is situated at the very base of the Rocky Mountains, on the grounds of Mr. A. Coor, at Golden, Colorado, near Denver. Our new catalog fully describes it. If interested, send for the catalog.



Lord & Burnham Co.
Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

\$10,000 IN PRIZES

**THE NATIONAL
FLOWER SHOW**

Mechanics Hall, Boston, Mass.

MARCH 25th to APRIL 1st, 1911

Under auspices of Society American Florists and Ornamental Horticulturists in co-operation with American Rose Society—American Carnation Society—American Gladiolus Society—Massachusetts Horticultural Society.

The Greatest FLORAL EXHIBITION

Ever Held in America in Connection With

Complete Trade Exhibition

All the prominent Horticultural concerns in the Country will be there. 40,000 square feet already engaged. Speak for your space NOW before all preferred locations are taken.

FOR ALL COMMUNICATIONS FOR SPACE
AND INFORMATION, ADDRESS - - - -

Chester I. Campbell
GENERAL MANAGER

Executive Office: 5 PARK SQUARE, BOSTON, MASS.

HORTICULTURE

Vol. XII.

DECEMBER 17, 1910

No. 25



JOHN B. NUGENT, JR.
President-elect New York Florists' Club

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US

LET'S KNOW U

RICE'S IMMEDIATE SERVICE

"Hello!"

"Is this M. Rice & Co. of Philadelphia?"

"Yes, Sir."

*"Can you ship at once some Porto Rican Mats,
Crepe Paper and Holly Ribbon?"*

"They are 'On the Way.'"

That's how promptly we fill Mail, Phone or Telegraph orders.

Get the Rice Habit, and send to us when you want "Quick Service" and up-to-date Supplies and Ribbons.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
PHILA., PA.

Manufacturers—Importers—Originators

For the Christmas Trade

BEGONIA "GLORY OF CINCINNATI"

the best winter-flowering begonia ever sent out. Its lasting quality gives satisfaction to customers; it costs no more than the good old Gloire de Lorraine, and is far superior. Prices: Large plants, 4 inch pots, well-flowered, 50c each; 5 inch, \$1.00 each; large specimens, 6 inch pots, \$1.50 each; 8 inch pots, \$2.50 each.

Customers say it "sells on sight." Six large houses of this beautiful plant. Try a few assorted sizes now, and you will want more for the Holidays.

J. A. PETERSON

McHenry Ave.,

Westwood, Cincinnati, O.

SPECIAL

Some few specials that are not seen as frequently as they should be. We offer fine stock from 3 in. pots.

GERANIUMS, Silver Leaf S. A. Nutt.
GERANIUMS, Mountain of Snow.
IVY GERANIUMS, Variegated L'Eleganta.
VARIEGATED ROSE GERANIUMS, Lady Plymouth.
COLEUS, Brillancy.
TRADESCANTIA, Zebrina Multicolor, 2 in.

GERANIUMS

500,000 ready for shipment, a good assortment of Ivy Leaved, Scented and standard varieties, from 2 in. pots,

at \$2.00 per 100, \$18.50 per 1000; from 3 in. pots, at \$3.00 per 100, \$25.00 per 1000.

SPECIAL COLLECTIONS, 1000, 50 each of 20 distinct kinds, every one a good one, from 2 in. pots, \$18.50, 3 in. for \$25.00. Cash.

	2 in. per 100	3 in. per 100
COLEUS, Golden Bedder, Verschaffeltii, and other kinds.....	\$2.00	\$3.00
LANTANAS, 10 varieties.....	2.00	3.00
HELIOTROPE, assorted	2.00	3.00
FUCHSIA, 6 kinds.....	2.00	3.00
SWAINSONA, Alba	2.00	3.00
LEMON VERBENAS	2.00	3.00
ALTERNANTHERA, 6 varieties.....	2.00	3.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

EARLY CUTTINGS

125,000 NOW READY

Enchantress, Perfection, Beacon, \$3.00 per 100; \$25.00 per 1000. Rose-pink Enchantress, White Enchantress, Winsor. \$2.50 per 100; \$20.00 per 1000.

[We can fill orders from 1000 to 100,000 and guarantee the stock.]

J. D. THOMPSON CARNATION CO. : : ; JOLIET, ILL.

WASHINGTON

Dark Pink Sport of
ENCHANTRESS

DO not get this variety confused with the Lawson-Enchantress which we discarded some years ago. Washington-Enchantress differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best cerise or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

\$10 per 100; \$20 per 250; \$75 per 1000 C.O.D. F.T.B.

Chicago Carnation Co.

35-37 Randolph St., Chicago, Ill.

CARNATIONS—Rooted Cuttings

We supply them of even size and well rooted.
Orders booked now for December and January delivery and later.

	Per 100	Per 1000
WHITE WONDER (Our New White).....	\$12.00	\$100.00
GLORIOSA (Our New Pink).....	12.00	100.00
PINK DELIGHT.....	6.00	50.00
SCARLET GLOW.....	6.00	50.00
SHASTA.....	6.00	50.00
SANGAMO.....	6.00	50.00
DOROTHY GORDON.....	6.00	50.00
J. W. RILEY.....	6.00	50.00
ADMIRATION.....	6.00	50.00
GOLDEN RAY.....	6.00	50.00
WHITE PERFECTION.....	3.00	25.00
WINONA.....	3.00	25.00
ENCHANTRESS.....	3.00	25.00
WHITE ENCHANTRESS.....	3.00	25.00
ROSE P. ENCHANTRESS.....	3.00	25.00
BEACON.....	3.00	25.00

F. DORNER & SONS CO.
LA FAYETTE, IND.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT
Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

CHARLES H. TOTTY

Wholesale Florist

Chrysanthemum Novelties My Specialty
Madison, N. J.

GERANIUM CUTTINGS.

Ricard	\$12.00 per 1000
Poitevine	12.00 per 1000
Nutt	10.00 per 1000

Cash with order, please.

F. SCHELL & CO.
R. F. D. No. 2, Lancaster, Pa.

CARNATIONS

ROOTED CUTTINGS.

	100	1000
Beacon, Crimson Beauty.....	\$3.50	
Enchantress, Kingston Pet, White Enchantress, Win- sor	3.00	\$25.00
Lady Bountiful, Pink Law- son, Red Lawson, Var. Lawson, White Lawson.....	2.50	20.00

CHRYSANTHEMUMS

ROOTED CUTTINGS.

Fifty fine commercial varieties, \$1.50 and \$2.00 per 100; \$15.00 per 1000.

CANNAS

Thirty fine varieties. Dormant tubers.

Send for list of varieties and prices.

Wood Brothers
FISHKILL, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

CERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders booked for delivery on or before Oct. 15 at \$10 per 1000.
B. E. WADSWORTH, Box 224 DANVILLE, ILL.

BOBBINK & ATKINS

....World's Choicest Florist and Nursery Products....

RHODODENDRONS.

	Per Doz.
In all bright colors; fine forcing varieties; good value.....	\$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors.....	15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants..	12.00, 18.00, 24.00

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Lulzet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots...	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.....	10.00	
Malus, Flowering Crab.....	15.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in..	4.00	
Aucuba, fine plants, 18-24 in.....	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean **Hardy** in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.**

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. O. WERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

DAHLIA ROOTS

Whole Field Clumps At \$5.00 per 100 and up. 10 0 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, —At \$2.00 per 100, \$12 00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

TREES and SHRUBS

For Fall Planting

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

Lychnis

Of this plant genus, comprising some thirty species, not more than about ten are known to be desirable garden plants. *Lychnis alpina* and *L. pyrenaica* as natives of mountain regions of great altitude are low-growing varieties, well adapted for the rockery. Both, of dense pulvinate growth, flower freely, forming compact heads or clusters borne on stems from four to six inches high. The first species named comes in white and pink varieties, while the blossoms of the last named appear in a pale flesh color.

Best known and most widely distributed is *Lychnis chalcedonica*, a species from Asia Minor and southern Russia, which inhabited the gardens of the ancient, as well as those of the classic Greek and Roman ages. The original form is in flower during June and July, the terminal clustered blossoms of a fiery scarlet color being carried on 3 to 3½ foot stalks. Of *Lychnis chalcedonica* leading herbaceous plant firms have been of late offering double varieties, both in white and red. Aside from the herbaceous border all are highly effective when mixed in together with flowering shrubs on the outskirts of woodland plantations. Their hardness has made them especially popular in our Northern States, where the original single scarlet form under the common English name of London Pride can be found in nearly every farmhouse yard.

Lychnis flos-cuculi, the Ragged Robin, and *L. flos-Jovis*, syn. *Agrostemma flos Jovis*, were cherished favorites in grandmother's old-fashioned flower garden. Both are still holding their own and if placed judiciously and with proper regard to color-harmony, do not lack the charm of their past.

If radiance of color stands for merit we must class *Lychnis Haageana*, a cross between *L. fulgens* and *L. coronata*, among the showiest. I firmly believe that this variety is deserving more consideration and space within the American garden than hitherto given. During June



LYCHNIS VISCARIA SPLENDENS

and July the freely-branching plants seem to be literally covered with brilliant scarlet flowers. For near and distant effects this perennial will prove highly satisfactory, both in formal gardens and on the mixed herbaceous border. It thrives well in light sandy loam. Wet and low locations, when placing *Lychnis Haageana*, should be avoided, for it is sensitive to excessive moisture.

Last, not least, I mention *Lychnis viscaria splendens*. Both the single and the double varieties possess qualities which soon draw attention. To their floriferousness our illustration testifies. Growing in bushy clumps, foliage throughout the season never losing its vivid dark green, they always remain more or less ornamental. Under leaf covering *Lychnis viscaria* well survives our frigid Northern winters. It can be used to best advantage cultivated on the border, or naturalized in the wild flower garden. All the *Lychnis* family are easily raised from seed and most of them propagated by division.

Richard Rothe

Northeast Harbor, Maine

Fruit and Vegetables Under Glass

FIG HOUSE

Figs can be grown in pots or tubs, but where a quantity is called for it is better to devote a house to them and grow them on a trellis. Much criticism has been showered on this method by some who contend that more fruit is produced per cubic foot from trees grown in tubs, etc., on the bush-shaped tree. Others will say a fig never looks good on a trellis; this is only a matter of faulty tying, etc., for crude as a fig tree may look when devoid of its massive foliage, it can be trained into perfect shape and will produce two and sometimes three crops in a season. The position and shape of the house must determine the shape of the trellis. Figs will succeed equally well in a lean-to or span-roof house. The curvilinear shaped and corresponding trellis is to be preferred, as it does away with the sharp bend at the eave and the trees can make a straighter growth with less tying.

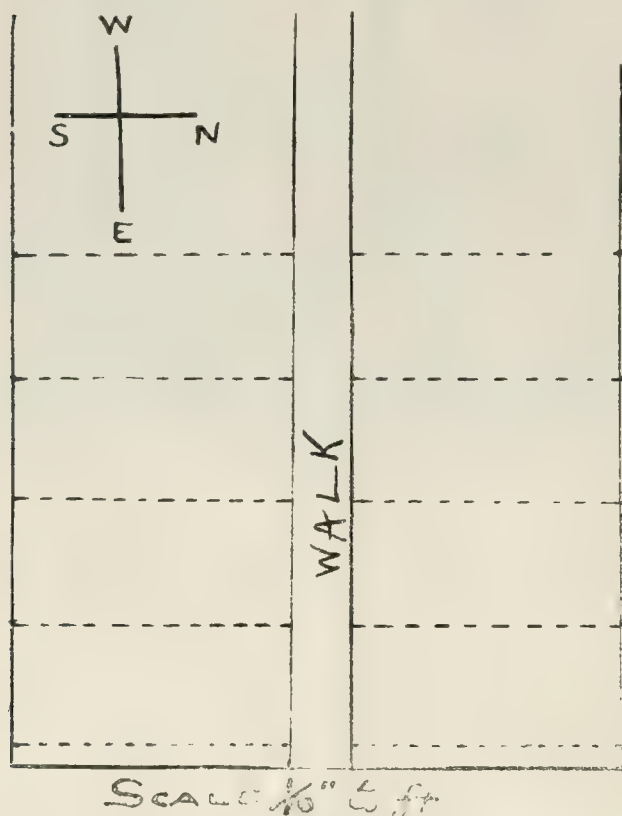
When planting allow each tree ample room to develop, one tree being enough for a 30 ft. house; if longer, plant two or more trees. When making up a new house more trees can be planted and be removed as room is wanted. Every precaution should be taken to have roots under complete control—concrete floor and sides to border.

Fig trees should have less border than a vine otherwise that rank unruly wood is produced. Drain and give the same depth as for a vine. Use a compost of 50 parts loam, 1 of large bone, 1 of small bone, 1 wood ashes, 1 charcoal and 1 small broken brick. Leave the border a few inches below the level of walks, as figs make a quantity of surface roots and by covering these each year with a top dressing the level is soon reached with no detriment to the tree, new roots coming off the base of the stem. Prune on same system as a peach, leaving as much new wood as possible, as first crop is produced on this. When tied in, each growth should be 6 inches

apart. Trees when dormant will stand a good winter wash, being very susceptible to mealy bug. If this has been noticed during the growing season every care should be taken to eradicate it now by frequent washings with Aphine or X. L. All. Early houses can be cleaned at once and put in shape for starting.

POSITION OF TRELLIS FOR PEACH AND NECTARINE

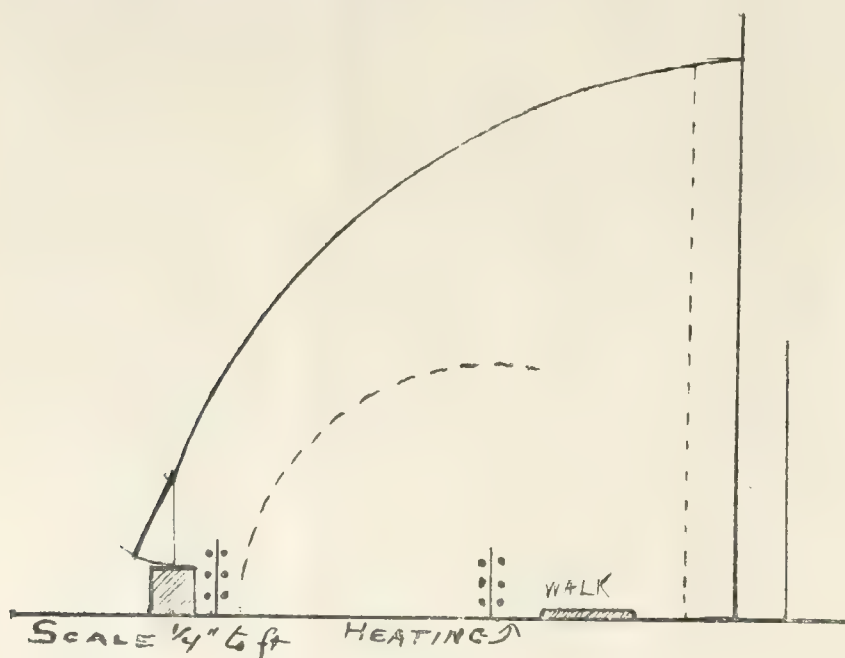
Much controversy was waged in our papers a few years ago as to which was the correct position for a peach



No. 1.

Ground Plan of Peach House, Showing Position of Trellises.

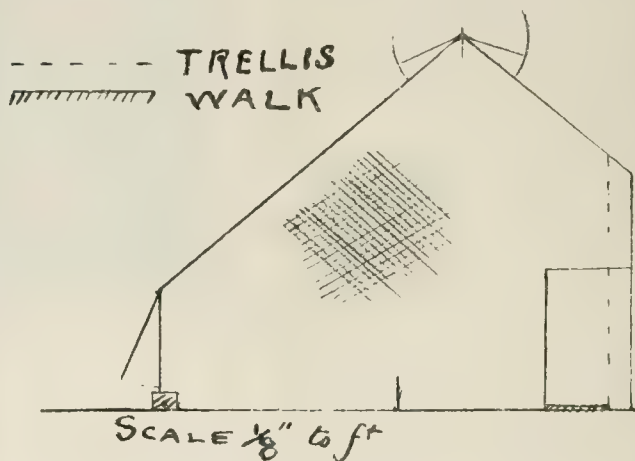
house and the trellis. A peach can be made to adapt itself to any shaped house or trellis, so the great prob-



No. 2.

Showing End Section of Curvilinear Shaped Lean-to Peach House.

lem was to locate the correct position of the house and corresponding trellis. By this we mean that if a span roof house was to be erected, should it run from N. to S. or E. to W.? If the former position is adopted the only trellis which can be used is the old method of running up near the glass as a vine would and consequent shade of border. The latter (E. and W.) is a different problem. Trellises can be erected across the house every 6 ft. and thus more trees can be planted in a house, giving more than double the quantity of fruit. A walk should be left down the center and one tree planted on each side. Lean-tos and three-quarter span houses can also be used for peaches, etc. The former, as a rule, are not wide enough to allow a cross trellis, so one running with the roof should be adopted or a quarter circle



No. 3.

Three-Quarter Span Peach House Laid Out As No. 1 With Trellis on North Side.

trellis erected on the front (south), being not more than 6 feet high, which leaves room for a standard tree to be planted on the back wall. Three-quarter spans can also be used this way, but the better method is to use the cross trellis, leaving the walk on the north side, and a space to plant a tree facing south.

The cross-trellis system is the best where a quantity of fruit is required moderately early, but for a very early house,—say to start third or fourth week in November—a lean-to is preferable with a quarter-circle front trellis and wall trellis on the back, as this allows trees to get every ray of sun obtainable during the winter months and they are away from the cold glass.

A peach border does not require to be so rich as a vine border; in fact, it is a mistake to make it rich as they will make too much rank wood. All that is required with the loam is a good quantity of broken bricks and a little charcoal. Eighteen inches to 2 feet is deep enough and all care should be taken to confine the roots. Make it firm before planting.

TOMATOES

Single stem versus numerous. Diverse opinions are always to be had as to which is the best system. Much depends on the method of growing, viz., on benches, tied to stakes or up the roof. Single stems are used for the former, two, or more are seen to the latter, but in the end it pays to raise a few more

plants and confine each one to a single stem. Better fruits are produced and they set just as freely, if no feeding is given before the first three trusses are set. Plants should have a sharp shake about noon each day during the winter months to distribute the pollen. It is not necessary to go over them with a brush.

MUSHROOMS

Beds which are on the dry side should now have a thorough watering which will ensure a crop for Christmas.

EYES FOR ROOTING VINES

When pruning vines a few laterals should be saved and heeled in under some bench or other moist place, to furnish eyes for producing young canes next year.

George H. Benson

Somerville, N. J.

The New Geraniums

INTRODUCTIONS OF 1910.

While the year 1910 has seen the advent of many wonderful introductions representing great advance in almost every line of standard florist flowers and plants—the rose, the carnation, the dahlia and the sweet pea all adding to their list new varieties of special merit, yet none have made greater strides towards the highest state of perfection, toward reaching the ideal than has the zonal pelargonium, and it takes only a glance to convince any one who is in the least acquainted with the standard lists up to today, that there is a new standard to be considered, that a revision is at hand, that many of the incomparable varieties of a few years ago are to be relegated to the rear and that a new category is to be made, old things passing away to make room for the new. That the geranium of the future is to be more beautiful, more brilliant, yes, even more magnificent in every way than the geranium of the past, and, if possible, even more popular than ever before is unquestioned.

Taken as a whole the novelty list of 1910 shows some grand acquisitions, embracing a range of color almost bewildering in its variety, comprising all the imaginable tints, shades, and combination of colors found in the geranium, from the most dazzling to the softest and most delicate tint, baffling adequate description, and compelling the most fastidious, and most critical to stop and admire. Some of them seem to insist on being looked at and many visitors after looking the varieties over in a general way, invariably return to admire and comment on one or more which has especially appealed to their particular fancy.

Among those which appear to have excited the greatest admiration and are to be disseminated to the trade by the Vincent Co. this season are the following:

Jean Balde (Brt.)—A beautiful novelty shade of red-dish purple; petals blotched white at base, very floriferous, enormous trusses set upright on long flower stalks.

Latham—Immense semi-double flowers of a beautiful

shade of deep madder carmine with a white center, very floriferous; a distinct variety, enormous trusses, supported by long flower stalks.

Pierre Suhau (Brt.)—Immense semi-double flowers of a beautiful shade of carmine purple, with rich velvety finish, low habit, free flowering beautiful trusses.

G. Zille (Brt.)—Good trusses and large flowers of a pretty shade of cochineal carmine, passing through violet at center to beautiful and rich color; plant of good habit.

Leonce Depont (Brt.)—Deep carmine shading purple with a large white center; beautiful flowers, strong trusses.

Jean Eyriam (Brt.)—Free flowering, large trusses, semi-double flowers, carmine lake with large white eye, very distinct.

Marguerite Philippe—Strong trusses, salmon carmine with a white eye, profuse bloomer, dwarf foliage; an excellent plant for bedding.

Raymond Poincare (Lem.)—Immense flowers of a deep carmine color; upper petals blotched white, with large white eye.

Agathos (Roz-Bou)—Strong trusses, immense semi-double flowers of a deep carmine.

Baron Dhanis (Roz-Bou)—Grand cochineal red, semi-double flowers with a purplish tint.

Comte Carminati Di Brambilla (Roz-Bou)—A very rich color of currant red, modulating lighter towards center, two lower petals blotched white at throat, white eye; an excellent variety with large semi-double flowers and trusses.

Comtesse De Hohenwart (Roz-Bou)—Immense flowers of currant red with cardinal red upper petals, tinted lighter toward center; very large trusses, a beautiful variety.

R. A. Vincent

White Marsh, Md.

Tomato Watt's Wonder



The remarkable tomato herewith illustrated was raised from a crossing of "Dawson's Plum" with "Farquhar's Bountiful," by T. T. Watt, gardener at Wellesley College, Mass. It needs but to be seen to demonstrate its title to the name it bears. The plants shown in the picture are 6 to 8 feet tall at half growth. When growth is finished they average 12 ft. in height, fruited from base to apex. The fruit is of beautiful shape and high quality especially as a salad tomato.

HORTICULTURE

VOL. XII

DECEMBER 17, 1910

NO. 25

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION—John B. Nugent, Jr., President Elect New York Florists' Club.	
LYCHNIS—Richard Rothe—Illustrated.....	861
FRUITS AND VEGETABLES UNDER GLASS—Fig House—Positions of Trellis for Peach and Nectarine, Illustrated—Tomatoes—Mushrooms—Eyes for Rooting Vines—G. H. Penon.....	861-863
THE NEW GERANIUMS—R. A. Vincent.....	863
TOMATO WATT'S WONDER—Illustrated.....	863
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Antirrhinums—Begonias—Dendrobiums—Manetti Stock—Propagating Bench—Seed Sowing—Flowering Plants John J. M. Farrell.....	865
OBITUARY:	
Charles P. Braslan—Robert Buist, Jr.—William A. Appleton	866
Joseph F. Klimmer—J. William Colflesh, Portrait—Archibald Small	867
CARNATIONS AT TEWKSBURY.....	868
CLUBS AND SOCIETIES:	
New York Florists' Club.....	869
Rochester Florists' Association—Albany Florists' Club	870
Newport Horticultural Society—N. Y. and N. J. Association of Plant Growers—St. Louis Florist Club..	874
Chrysanthemum Society of America.....	889
DURING RECESS:	
New York Bowlers—Chicago Bowlers.....	889
SEED TRADE:	
Pea Seed Growers' Difficulties—Canners Well Supplied Notes	876
NEW CHRYSANTHEMUM DECEMBER GEM—Illustrated	876
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures.....	878
New Flower Stores—Flowers by Telegraph.....	879
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago.....	881
New York, Philadelphia, St. Louis.....	883
MISCELLANEOUS:	
Rochester Notes.....	867
News Notes.....	868-877-883-889-890
A Correction—M. J. Pope.....	876
Chicago Notes.....	879
Personals	889
A Simple Rust-proofing Process.....	890
Greenhouses Building or Contemplated.....	890
Patents Granted—Incorporated—In Bankruptcy.....	890

In readiness
Christmas—that week of perplexity, hustle, worry and sleeplessness, is now close upon the florist. Happy may be he who has been longsighted enough to anticipate his needs and his opportunities and has all preparations

made well in advance, so far as that is possible, who has kept closely informed through the advertisements in HORTICULTURE as to what is new and novel and desirable, has all accessories and special goods bought and in place and, finally, has given timely publicity, through local advertising and circularizing, to the attractive and appropriate things he has in store for the people thereabouts. With order book at his elbow and arrayed in courteous, Christmas-cheer smile he can now give attention to the wants of the shoppers without confusion or worry and there will be time and facilities for doing double the amount of business and in a manner satisfactory to all.

An abuse of opportunity

The comment by E. G. Hill, in his talk at the New York Florists' Club, the retail florist trade in general to encourage the raiser of new varieties, strikes us as very apt and timely. There are, as we all know, exceptions to the rule—here and there one wide-awake and liberally disposed florist who is at all times ready and even eager to reflect the spirit of the intrepid and venturesome novelty grower by extending his support to him and doing all that lies in his power to interest the public in the new things as they come along. But the majority of the retail dealers in town and out of town will be found following the conservative course, sticking to old things and old ways, allowing their customers to get their knowledge of modern innovations from their more enterprising rivals and very content to wait while the other fellow tries it out before they take any chances. This is poor appreciation for the workers who devote their energies to the improvement of the florists' products, usually for a very meagre financial return, but, more than this, it is an abuse of opportunity which brings its own punishment, for the man who is continuously distrustful of everything new and untried and persists in sticking to antiquated things and decadent methods must always "play second fiddle" and the public will not be slow to discover it.

"Made in America"

Up to the present time a large percentage of our best gardeners, private and commercial, have been of foreign birth. Had it not been for these well-trained, intelligent and industrious men from across the sea American horticulture would not be where it is today notwithstanding all the favor and succor so freely extended to the art by people of refinement and means. Not a few of the most successful gardeners who have come to make their home with us are well-educated and intellectually superior. The system under which they were "brought up" gave them a thorough knowledge of the fundamental principles of their profession and men drilled in such a school will always outstrip those who jump on the ladder half way up and neglect the elementary steps at the bottom. This characteristic fault in the making of the American gardener in the past seems now in a fair way to be remedied through the rapidly growing efficiency of the Agricultural Colleges, in many of which the fact is now recognized that their sphere of usefulness extends far beyond the limits of mere farming industry. It is encouraging to see that the most intelligent florists and gardeners, whether native or foreign-born, are now eager to send their sons to these agricultural schools. It speaks well for the courses provided and the methods of instruction now being followed and it gives promise that the time is not far distant when the mark "Made in America" will be recognized as the best credentials the horticultural worker can possess.

Seasonable Notes on Culture of Florists' Stock

ANTIRRHINUMS

Now that there will be some bench room as all the chrysanthemums are cleared off, give the snapdragons a place. Plants that were rooted late last spring and grown on should be nice stock in 4-inch pots. These if planted out now will give a fine crop of bloom. The old chrysanthemum soil will do if given some well-rotted manure. Plant them so as to stand about a foot apart each way. Ventilation is of primary importance on all favorable occasions with full light. Give a minimum temperature of 50 degrees at night with a rise of from 60 to 65 with sunshine. Disbud the lateral shoots when large enough to handle so as to have large spikes. Seed sown now will give nice flowering plants by next spring. Sow them thinly as the little plants will be sturdier from the start. Keep them in a temperature of 55 degrees until well established.

BEGONIAS

All begonias are more or less easily propagated by cuttings when they can be given bottom heat. The young sturdy shoots of the new half-ripened wood will make the best cuttings. The Vernon and the semperflorens types can from this time out be grown from cuttings. Now is also a good time to propagate Rex begonias. Take some of the well-ripened leaves and cut into about 8 or 10 pieces. Each portion should have a piece of the midrib running through it. Be sure to insert the thickest end of the rib downward in the sand. Give a good watering all over, and then keep rather dry, but with a moist air and a good bottom heat. When the young plants appear at the base of the leaf, they can be potted up and grown on in a heat of from 65 to 70 degrees. Being quite tropical they enjoy plenty of heat and moisture. Any large specimens of the Rex varieties that are pot-bound can be given a liberal supply of weak manure water which will increase the beauty of their foliage. This applies to the winter-flowering kinds also.

DENDROBIUMS

Dendrobium nobile that has completed its growth should have a period of rest in a cooler house with full light and sunshine, and drier atmosphere so they can thoroughly ripen up. Give them a temperature of from 48 to 50 degrees by night with a rise of about 10 degrees during the day. During their season of rest they want very little water at the roots. Caution on this point is necessary, because, if given too much, they are liable to start prematurely. They must have just sufficient to prevent any shrivelling. In all bright weather give light syringing overhead as this helps them materially from becoming exhausted. When they begin to show flower they can be removed to a warmer house. Dendrobiums such as *Devonianum*, and *Wardianum* can also have this cool resting treatment. Such species as *D. bigibbum*, *D. densiflorum*, *D. Findlayanum*, and *D. thysiflorum*, should be rested in a temperature of about from 55 to 60 degrees at night, and from 65 to 70 degrees with sunshine. Allow the direct rays of the sun for it plays a very important part in finishing up the canes so as to insure good flowers. Ventilate as often as the weather will permit.

MANETTI STOCK

When your stock of Manetti arrives unpack and heel it in as soon as possible. Any cool shed or pit that is just clear of frost will do. When unpacking, if any

have started to grow, lay them aside so they can be potted up first. When potting use either 2 or 2½-inch pots and some good new soil and be sure that they are potted very firmly. Give them a place in a cool house anywhere from 40 to 50 degrees. Give a thorough watering and then a daily syringing in order to keep the tops fairly moist so as to get the wood and eyes plump, but don't let the pots get too wet until there is full root action. When the buds are well swelled and there is good action at the roots they are about right for grafting. See that your grafting cases or boxes are put in order now so as to have them ready when wanted.

PROPAGATING BENCH

The ensuing season's success depends much on a well-managed propagating house or bench. Now that we are coming on to the new year it is time to prepare to increase stock. The first part of the operation naturally consists in a thorough cleaning by removing all old material that was used on any previous occasion. Then, if there is any repairing needed it should be done. Give the entire surface of the bench a coat of hot whitewash and sulphur, and allow the latter to dry before covering with sand. A good way to prepare a cutting bench is to put half an inch or more of any clean material in the bottom such as broken-up tufty soil, gravel or moss so as to hold the sand and insure good drainage. After this put from 2 to 3 inches of finely sifted clean sand, spread evenly and well firmed. Give a good watering and then it is ready. If you can have portable frames fixed so they can be put on or off as needed you will have more success in rooting most plants.

SEED SOWING

Now is a good time to prepare flats for the sowing of seeds, and to hold plants in the near future. By and by you probably will be too busy, so attend to this now. Flats about 14 by 20 inches and 3 inches deep make a handy size. Use 7/8-inch material for the ends and ½-inch for the bottom and sides. About one year is their life limit. After that they are liable to fall apart. It is none too early to begin the sowing of many seeds if the room can be given. Growers who want to work up a stock of good-sized plants by next spring should make preparation now. Use a light sandy soil for seeds so they can make an abundance of fibrous roots and as soon as the seedlings have developed their second leaves they should be transferred to other flats. Place on a shelf or raise the flats up otherwise, as near to the glass as possible, and then water very carefully. Seeds of lobelias, daisies, pansies, snapdragons, stocks, mignonette and candytuft can be sown now for early spring trade.

FLOWERING PLANTS

To meet the holiday plant trade nothing so appropriately meets the prevailing demand as nicely-done flowering plants. Roman hyacinths, paper white narcissi and lily of the valley are always in good demand made up in dishes, pans and pots. The making up of these can be deferred until a day or two before they are needed for display. Heaths, camellias and a few other rare things always find favor with the more refined class of people. Now is a good time to go over and wash the pots. A dirty pot is very offensive and unsightly.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Anthericum; Bouvardia Cuttings; Care of Palms; and Foliage Plants; Callas; Double Petunias; Liliun speciosum.

Obituary.

Charles P. Braslan.

An event of great import to the seed trade, is the sudden and unexpected death of Mr. Chas. P. Braslan, variously known to his friends as "Charlie" and "The Major." It is no exaggeration to say that he will have many sincere mourners among the seedsmen of the country, for notwithstanding the undeniable fact that he was the greatest peace disturber in the trade during the present generation, his genial, open-handed hospitality and comradeship made him personally a most agreeable companion. Mr. Braslan died at San Jose, Cal., on Saturday, Dec. 3, after twelve days of intense suffering from pneumonia. He was born in Cambridge, Mass., 49 years ago, and when yet a boy entered the employ of John Breck & Sons of Boston. He remained with the firm for a period of 11 years, after which he became a member of the seed house of Northrup, Braslan, Goodwin Company of Minneapolis, being general manager until the reorganization of that company in 1896. A year later Mr. Braslan went to California and the Braslan Seedgrowers' Company, of which he was the president and manager, was incorporated July 13, 1902. He prospered greatly and recently had a farm of 4000 or 5000 acres devoted to seed raising.

It has often been said that Mr. Braslan was never intended for a business man but for a board of trade operator, a theatrical manager or a lawyer. Had he been fortunate enough to have received a college education as a young man, he would have made a decided mark in public life, for notwithstanding the limited education he had and the natural restrictions which such an education usually imposes on men, he was never known to be ruffled or abashed, nor did he ever hesitate to attempt any task or assume any role however impossible it might seem of fulfillment. It has been said that he possessed strong hypnotic power, and it is difficult to account for his influence over men vastly his superiors in education if not in natural ability, on any other theory. Certainly he was a very forceful and energetic worker and was able to accomplish many difficult tasks by sheer enthusiasm which he was able to impart to others. Who will conduct the extensive seed growing business which he had under his control, has not been determined, but we may take it for granted that with the Major's personality lacking, there will not be the same aggressiveness and push which always characterized everything he undertook. Who will inherit the large government free seed business which he always managed to secure, the future will have to reveal. It is a fact that only a few years ago, he was persona non grata at the department, and the year that the distribution was awarded to Mr. Chas. Parker of California, which as everybody knew was simply Mr. Braslan under an alias, the secretary of agriculture refused to recognize or deal with Mr. Braslan in regard to the matter, and another man was sent to Washington to superintend the distribution. Since that time Mr. Braslan has en-

tirely overcome this prejudice towards him by the department, and it is not too much to say that up to the time of his death he was personally the most welcome of any seedsmen who visited the department, a further illustration of his wonderful power in influencing people and overcoming their antipathies.

Robert Buist, Jr.

Thomas Meehan, in 1880 (30 years ago), wrote a splendid appreciation of the first Robert Buist in the "Gardeners' Monthly," Mr. Buist senior, having died in that year, and it now becomes our sad duty to chronicle the demise of his distinguished son, Robert Buist, Jr., who passed away at midnight, Dec. 13th, aged 73. The first Robert Buist was 75 when he died, and the son, while even more rugged in constitution and apparently good for many years yet, evidently must have suffered greatly from the unfortunate domestic tragedy of a year ago and succumbed to the first serious illness—an attack of pleurisy which seized him about a month ago.

Robert Buist, Jr., was as celebrated as a seedsman as his father was as a plantsman and had achieved fame and distinction in that branch of the horticultural world by the time he was 21 years old. The operations of the firm were extensive all over the country "before the war", and especially so in the southern states. The southern trade suffered of course during reconstruction times but soon recovered and for many years back it has been larger and better than ever, and today the name of Buist is a household word in the Sunny South and far ahead of any of the great firms that have become successful in recent times.

Mr. Buist was a great seedsman in the truest sense of the word—knew the business thoroughly—and kept himself always abreast of the times. He travelled extensively both at home and abroad and had the keenest eye out for improvements in the horticultural line, many of which he was the first to introduce.

His influence was far-reaching and beneficent and now that he is gathered to his fathers we mingle with our sorrow the consolation of great pride in his fine achievements during a long and well-spent life. He was an honor to his profession and an ornament to it. He held an exalted position in the business and social life of Philadelphia and sustained every call on his activities with dignity and distinction.

Personally Mr. Buist was tall, straight and of commanding presence—somewhat austere to the stranger at first but on close acquaintance of a most genial disposition. The wife of another distinguished seedsman who sometimes visits Philadelphia summed up his character very accurately when she exclaimed, with uplifted hands and glistening eyes, "Robert Buist is, I think, the most finished, polished and perfect gentlemen I ever met." He was always a tremendous worker and to the last remained actively in harness and could do more in one day than many good ones of half his age. But even with his strenuousness he could unbend when he chose and tell a good story. Some of his reminiscences were brilliant with racy humor and it was always a great treat to his listeners when they could get him in this vein and listen to his apparently inexhaust-

ible fund of anecdotes and above all to the shrewd and witty comment with which he could point each one of them.

The business of the Robert Buist Co. was incorporated some years ago and will be continued as usual by the remaining members of the corporation.

GEORGE C. WATSON.

William A. Appleton.

Wm. A. Appleton, who was one of the best known florists of Rhode Island, died at his home in Providence on December 7, aged 55 years. He had been in bad health ever since last March and during the last few weeks of his life suffered greatly from a complication of liver and kidney diseases.

Mr. Appleton was born in Providence and at the age of 18 he entered the employ of Walter Hogg at the greenhouses on Benefit street. He next worked under Superintendent Timothy McCarthy at Swan Point Cemetery for several years, finally becoming head gardener. To his taste in landscape work are due many of the beautiful effects to be seen at the cemetery today. He bought out the florist business of Robert Hogg at 294 Broadway in February, 1888, and had since conducted a flourishing business at that place.

Mr. Appleton was a former President of the Florists' and Gardeners' Club of Rhode Island, of which he was one of the charter members. His son, Eugene Appleton, is now Vice President of the club, and during his father's illness has been in charge of the business.

As to Mr. Appleton's personality it can be truly said that he was one of the few men without an enemy in the world. His unvarying good nature, his ever-ready courtesy and kindness gave him a place of affectionate esteem in the hearts of all with whom he came in contact. He will be sadly missed. His home life was one of the happiest.

At the time of the S. A. F. convention in Providence in 1897 Mr. Appleton was one of the prime movers and an unselfish, industrious worker and to his persuasive executive ability was due much of the success which attended that event.

He is survived by a widow, six sons, three daughters, five sisters and two brothers. The funeral on Saturday, Dec. 10, was attended by many representatives of the Gardeners' and Florists' Club, President Johnson serving as a pall bearer. Wm. J. Stewart of Boston, a close friend of Mr. Appleton for the past 25 years, was among the attendants from out of town.

Mrs. Isabella P. Whittet.

Mrs. Isabella P. Whittet, wife of Alexander Whittet, florist, died Saturday night, December 3, at her home in Lowell, Mass. Her age was 70 years.

Mrs. Whittet had been ill with heart trouble since last August, although at times she had sufficiently recovered to be able to go out of doors. About a month ago she became seriously ill again and since that time had been confined to her bed. Saturday she seemed cheerful and in rather better condition than for some weeks. With almost no warning the end came at 9 o'clock.

She was born Isabella Proudfoot, in Perth, Scotland, in 1840. She came to Lowell as a young woman and in January, 1867, was married to Alexander Whittet. Mr. and Mrs. Whittet had

WELCH BROS.

Now Ready for the Holiday Season

BEST EQUIPPED ESTABLISHMENT IN NEW ENGLAND

The Responsible House that Always Fills Orders at Holidays
as Well as at other times.

Everything for the Flower Store

Cut Flowers, Plants, Evergreen, Holly, Mistletoe, Boxwood,
Southern Smilax.

SEND FOR PRICE LIST.

MAKE YOUR WANTS KNOWN.

226 Devonshire Street,

Boston

'Phones: 6267, 6268, 5419 Main

ever since made their home in Lowell. She was a woman of unflinching optimism and this quality had made her many very close friends. She was greatly devoted to her home and family and a keen appreciator of flowers. She is survived by her husband, three sons, former Alderman William D. Whittet, Charles A. Whittet, superintendent of parks, and Rufus M. Whittet, assistant engineer for the state board of health, and two daughters.

Joseph F. Klimmer.

Word has just been received of the death of Joseph F. Klimmer at his home, 812 Dunlop Ave., Forest Park, just outside of Chicago. Mr. Klimmer has been ill for several months and has put up a brave fight for life, never acknowledging until the last few days that he was not gaining. Kind-hearted and genial in disposition he had many friends among the trade who regret his death in the prime of life. Joseph F. Klimmer has been in the florists' business about thirty years, starting in with a retail store at 548 W. Madison St. This he sold after a few years and built out in the suburb, Forest Park, where he has done an extensive cemetery business for over a score of years. He leaves a wife, two daughters and a son. The funeral took place Thursday, Dec. 15th, from the residence and interment was at Forest Home, just across the street from the greenhouses where he spent so large a portion of his fifty-six years of life.

J. William Colflesh.

As we go to press a telegram informs us of the death at 10 A. M. today (De-

cember 15) of J. Wm. Colflesh, one of Philadelphia's best known and highly respected florists. Mr. Colflesh was formerly treasurer of the Florists' Club of Philadelphia and was chairman of the Plant Committee of the Pennsyl-



J. WILLIAM COLFLESH

vania Horticultural Society. Mr. Colflesh underwent a serious operation at the Presbyterian Hospital last week from which he failed to rally. Obituary notes will appear in full in our next issue.

Archibald Small.

The death of Archibald Small, brother of J. H. Small of Washington and Albert Small of New York, occurred at his farm near Silver Spring, Md., due to injuries sustained from the attack of an angry boar.

ROCHESTER, N. Y., NOTES.

The recent bequest of \$20,000 for the purpose of building a large show greenhouse in Highland Park, this city, is much appreciated by the Park Commissioners. This will give to the park an added attraction, making it more popular than ever.

Hugo Teute has completed a new 20x100 ft. greenhouse which will be used mostly for keeping azaleas and other plants cool. As the season advances, sweet peas will be planted, as plenty of head room is available.

Louis Savoy, well known by the florists and gardeners of this city, as one of the craft, recently came to an untimely end by his own hand, swallowing carbolic acid, which caused his death on Dec. 11th.

Emil Thoman, who met with a serious accident about two weeks ago, while delivering flowers, is recovering rapidly. The accident was caused by a street car colliding with the electric delivery truck in which Emil was riding.

Calais, Me.—A half interest in the undertaking and florist business of J. R. Sederquest, 172 Main street, has been purchased by Ernest G. Young. The business is to be carried on under the name of the Ernest G. Young Co.

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties, first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostonensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CARNATIONS AT TEWKSBURY, MASS.

II.

Last week we had something to say about the home of Fair Maid and some other famous trotters in the carnation arena. Now a few lines about one of the slickest, best-kept carnation ranges in the country—that of Patten & Co.

Mr. Patten is very proud of Shasta. Early and good it is and he proposes to plant lots of it again next year. Other whites that are grown to some extent are Buxton's Granite State, which is a very tall grower and promising generally and Craig's Norwood, but both of these must wait until the full season's record is counted up before the verdict is reached. Mrs. Barron, raised by Dailledouze and named by Mr. Patten is a lovely flower, white with soft pink mottling, rather late in coming in. Apple Blossom is a fine sturdy variety, moderate-sized flower, stocky habit, showing a little pink mottling at this season, but pure white in summer. It is credited with having held out longer than either White Enchantress or White Perfection last summer. But, after all, Mr. Patten turns back to Shasta with the conviction that if it should retain its present vigorous health there is nothing better on the market.

As to pinks—May Day is doing all right. A nice shapely flower and soft pleasing color. Pink Delight looms up as one of the best sellers in the market and is in the ring to stay. Its remarkably tall stems places this variety head and shoulders above all others as one looks down the long benches. Where a little weakness of the long stem shows, Mr. Patten says that disappears as the flower opens and this feature is all that can be desired. Winona is doing well. A nice bright salmon sport from Lawson, with a little more color than Pink Delight is an interesting proposition for those growers with whom Lawson is still a standard. Dorothy Gordon is doing fairly well and will improve as the season advances. Geo. Buxton is represented by two varieties—Bon Ami and Pink Beauty. The former is not so good at present as it was late in the season last year. It is a good flower, however, and sells all right. Pink Beauty is on trial and its position is not yet established.

There is a yellow seedling from Mrs. Patten crossed with Dorothy Whitney which looks good. The marking is something similar to Buttercup. Occasionally the flower comes clear white

and pink striped—practically a reversion to the pure Patten. There is a pure yellow sport also from this seedling. In scarlets Beacon stands here as elsewhere as the standard.

Outside of carnations Mr. Patten has some other things that are worthy of special mention. The Godfrey calla, catalogued last year by E. G. Hill, is a beauty; snow white, dwarf habit, and blooming profusely in 4 in. pots. The Miller form of Nephrolepis is daintiest of all the sports of Boston fern, airy foliage elegant for design work. The Crawshaw asparagus is prized as far superior to the typical plumosus, making a neater and more even string and making it in much less time.

Other Tewksbury neighbors are Lewis Small and Lewis Smith. Mr. Small has his hopes centered in a big, handsome white seedling from Fair Maid, now in second year. Here again Pink Delight monopolizes a large space as does also Fair Maid which no Tewksbury grower would think of discarding. Side crops are yellow marguerites, bachelor's buttons, sweet peas and summer chrysanthemums. Mr. Smith has an Enchantress-colored sport from Beacon. Ought to be a good one if it retains all the excellent qualities of its parent. Odd things here are mammoth candytuft, marguerites and single violets with Spanish iris planted in alternate rows.

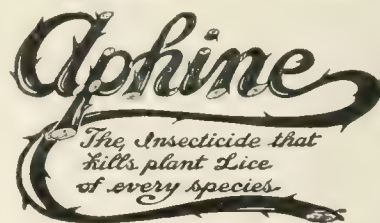
At North Tewksbury is a new place in which much interest has centred since it was started last April. It is the enterprise of Frank P. Putnam, a business man of Lowell and is in charge of Charles Anderson, a well-accredited and most industrious gardener, with a long record in the vicinity of Boston. The house is of King construction, 42x200, heated by a 100-H. P. boiler, with capacious well, boulder chimney and other features on which no expense has been spared to make it a model commercial place. It has taken an immense amount of labor on this stony eminence to bring this property to its present condition in so brief a period. Carnations occupy only a portion of the big house. May Day, Enchantress, White Perfection and Pink Enchantress are in fine shape and evidently much at home. A long bench of white stocks reminds one of a bench of healthy lettuce in its regularity and luxuriance. Mignonette and antirrhinums are equally promising. An unusual crop is Dimorphotheca aurantiaca in pots. Speaking of the common fault of this flower in

closing up, Mr. Anderson says that if put in water after being cut they will then remain open continuously. To make them flower freely keep the plants in pots and half starve them. The flowers are eagerly sought in the stores of Boston.

NEWS NOTES.

The B. G. Pratt Company, manufacturers of "Scalecide," have issued a neat little folder with colored cover illustrations, entitled, "Orchard Dividends." Anyone interested in orchards and the care of fruit will find something interesting in it and any firm selling insecticides should secure a quantity of these folders for distribution among their customers.

Wm. Elliott & Sons report a rather weak demand for foliage plants at the fall auctions which have just come to a close. On the other hand, rhododendrons, roses and some other hardy material sold satisfactorily. Quantities of surplus bulbs have been sent to the auctions from foreign sources and these have been practically unsalable, hyacinths being the hardest to get rid of at any price.



Does all that is claimed for it. It has proved itself to be one of the cheapest and most effective insecticides known today.

Aphine does not alone destroy the insects, but also contains excellent cleansing qualities,—in fact, some experts claim it invigorates plant life.

Have you tried it?

\$2.50 per gallon — \$1.00 per quart

Get It From Your Seedsman

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

Laurel Wreaths, \$2.50 per dozen and up. Laurel Festooning, 6 cents a yard. Boxwood Wreaths, \$6.00 to \$18.00 per dozen. Bush Laurel, 50c. Princess Pine Festooning, \$6.00 per 100 yards, made all round. Leucothoe Sprays, \$7.50 per 1,000; \$1.00 per 100. Dagger and Fancy Ferns, \$1.25 per 1,000. New Crop Galax, Bronze, \$1.50 per 1,000. Green, \$1.00 per 1,000. Green and Violet Foil, best quality, 17c. per lb. Green Magnolia Leaves, extra large hamper, \$2.25 per hamper. Bronze Magnolia Leaves, \$2.00 per hamper. Bronze and Green Galax, \$1.00 per 1,000.

CUT BOXWOOD SPRAYS

\$16.00 PER 100 POUNDS

IMMORTElLES

New crop, best quality, all colors, 14 cents per bunch in case lots

A Full Line of Florists' Supplies. All Kinds of Insecticides

Chrysanthemums and Carnations, in all Standard Varieties. Roses — Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

Seasonable
Cut
Flowers

Lilies, Orchids, Gardenias, Lily of the Valley, Violets, Adiantum, Asparagus, etc.

HENRY M. ROBINSON & CO., BOSTON, MASS.

15 Province Street and 9 Chapman Place

Telephones—Main 2617-2618. Fort Hill 25290

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The regular meeting of this Club for December, held on Monday evening, December 12 was well attended, there being over one hundred members present, attracted by the fact that it was election night and the announcement that E. G. Hill of Richmond, Ind., would be present with some of his new roses.

After the regular routine had been put through Mr. O'Mara made a report of progress on behalf of the committee appointed to further the project of a range of greenhouses at Cornell for experimenting and demonstration in floriculture. A letter from W. F. Kasting of Buffalo was presented, stating that a bill was in preparation for presentation in the State Assembly and Senate and urging the necessity of activity in support of same by every florist organization not only in New York but in every section of the country. F. R. Pierson and others spoke in approval.

The outing committee's report was accepted and an order passed to defray the deficiency from the Club's treasury. J. H. Fieser, J. H. Pepper and A. R. Kennedy, candidates for vice-president, secretary and treasurer, respectively, withdrew their names from the contest. The result of the balloting was as follows: President, John B. Nugent; vice-president, Harry A. Bunyard; secretary, John Young; treasurer, W. C. Rickards, Jr.; trustees, I. S. Hendrickson (one year) F. H. Traudly, Chas. Weber and C. H. Totty, (2 years). Jos. A. Manda, who was a candidate for the presidency,

moved that Mr. Nugent's election be made unanimous and this was done. On the exhibition tables the following were shown:

By F. R. Pierson Co., Improved Killarney, a pink sport from White Killarney very double and of gigantic size (87 points and preliminary certificate); W. A. Manda, seedling begonia, red flowered, promising as a Christmas plant (vote of thanks); E. G. Hill Co., roses Mrs. Aaron Ward (vote of thanks), Rose Queen (90 points and preliminary certificate), Sunburst, purchased in France and named by Mr. Hill (90 points and

preliminary certificate); C. H. Totty carnations White House (90 points and preliminary certificate) and Princess Charming (vote of thanks); Chas. Lenker, double stevia (cultural certificate).

The new roses exhibited by the E. G. Hill Co. were deserving of all that was said of them by our Philadelphia correspondent in last week's issue.

Messrs. Weathered, Traendly and Bunyard were appointed a committee on resolutions on the death of the brother of the Messrs. Manda. Louis J. Reuter was introduced as a new member and made an appropriate speech. E. G. Hill's address on rose topics was characteristic of this entertaining speaker and leading authority on the Queen of Flowers. He referred modestly to his own part in the development of the rose in America and combatted the remark sometimes heard—that "there are too many new roses." The retail trade had not given their support and encouragement to the growers as they should in the past but a better spirit seemed to be now abroad and the new introductions in roses and other flowers were meeting with a cordial welcome. The public are also taking a deep interest. He told of the interest and enthusiasm noticed on his recent visit to the Paris show where he was asked to serve on the jury. Out of some eighty rose novelties submitted only six or seven scored. Sunburst, a rose of French origin, he said, had some Persian Yellow blood in it. Rose Queen was one of 6000 seedlings carefully crossed and seeded and patiently grown and watched for three years.

Messrs. P. O'Mara, Robert Simpson, C. H. Totty, F. R. Pierson and H. A.

PEIRCE BROS.

WALTHAM, MASS.

AZALEAS CYCLAMEN FERNS AND OTHER CHRISTMAS PLANTS

For particulars address

PEIRCE BROS.

WALTHAM, MASS.

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons

HOLLY. Single case, \$5.00. Two cases, \$9.00. Five or more cases . . . \$4.00 a case

MISTLETOE. Extra fine berried. Very fine. Per lb., 35c; in 10 lb. lots, 30c per lb.; 25 lb. lots, 25c per lb.

BOXWOOD. 15c per lb. in case lots of 50 pounds. Each case contains full 50 lbs.; usually the case weight is included and you pay Boxwood value for old lumber. Watch out.

VELVET POINSETTIAS. We hold the agency for New England for Anderson's Velvet Poinsettias. Price with leaves and long stems, \$2.50 per dozen. With short stem and no leaves, \$1.75 per dozen. Per gross, with leaves, \$27.00; without leaves, \$21.00.

HOLLY WREATHS. Per 100 . . . \$12.00 to \$15.00

LAUREL WREATHS. 12 in. Frames . . . \$18.00 per 100

LAUREL ROPING . . . 5c per yard **HARDY FERNS,** best quality ever offered . . . \$1.25 per 1000

GALAX, \$7.50 per case of 10,000; per 1000 . . . \$1.00

PARTRIDGE BERRIES and GLOBES. CHRISTMAS BELLS.

SEND FOR QUOTATIONS ON ANYTHING YOU NEED NOW OR FOR THE HOLIDAYS

N. F. MCCARTHY & CO.

WHOLESALE FLORISTS

TEL. MAIN 5973
and 5974

84 Hawley St., Boston

Bunyard were all heard in comment on Mr. Hill's remarks and hearty recognition of his eminent services to American rose development. The varieties My Maryland, Mrs. Marshall Field, Cardinal, the two Cochetts, W. R. Smith, Gen MacArthur, President Taft, Gruss an Teplitz, Mrs. Theo. Roosevelt, Etoile de France, the Manda ramblers, the M. H. Walsh hybrids and the productions of Dr. Van Fleet and Hoopes, Bro. & Thomas all came in for unstinted praise as to their value for garden purposes.

The meeting extended until near midnight.

ROCHESTER FLORISTS' ASSOCIATION.

The regular monthly meeting of the Rochester Florists' Association was held December 11th, about forty members being present. Owing to the enforced absence of President Vick, Vice-president Wilson was in the chair. The usual routine of business was interesting, especially the report of Treasurer W. J. Keller, who read that about \$350 was still in the treasury and every bill paid up to date. This is a splendid showing, especially after the recent flower show, which was a very expensive effort. But, thanks to Chas. H. Vick, the general manager of the show, the association came out ahead. Next meeting will be in January, at which time the annual election of officers will take place.

Ladies' Auxiliary.

To Mrs. W. L. Keller is due all the credit for the organization of a local Ladies' Auxiliary to the Rochester Florists' Association. As its first president, Mrs. Keller is to be congratulated,

and we trust that her efforts in this society will be successful. The idea is entirely her own, and it sets the pace for florists' clubs of other cities. The first regular meeting was held in the Florists' Club rooms on Dec. 1st at which time preliminary arrangements were talked over for a large delegation of ladies to attend the S. A. F. convention at Baltimore.

ALBANY FLORISTS' CLUB.

At the meeting on December 1 nominations and election were held with the following results: President, Frederick A. Danker; vice-president, Edward P. Tracey; treasurer, Patrick Hyde; secretary, Robert Davidson; trustees, William Newport, J. H. Snyder, Charles Sanders, William C. Gloeckner, John J. Berberick and Louis Menand, Sr. Arthur Zirkman, of M. Rice & Co., Philadelphia, was elected a member. Frederick Goldring, who has served as president for three years, declined a re-election.

AZALEAS

Six, nine and twelve dollars per dozen.
Pink, white, variegated and red.
Red in small size only.

BEGONIAS.

5 inch 50c; 6 inch 75c; 7 inch \$1.00 each.
Extra fine plants.

CYCLAMEN.

5 inch \$5.00 per dozen. Larger plants
\$9.00 and \$12.00 per dozen.

PRIMROSES.

5 inch \$3.00 per dozen.

A FINE LINE OF PYRAMID BOXES FROM \$3.00 TO \$5.00 PER PAIR. ALSO FULL LINE OF PLANTS FOR CHRISTMAS.

JOHN MCKENZIE, North Cambridge, Mass.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

CYCLAMEN

Just right for Xmas at a low price. 3 in., \$3.00 per 100; 4 in., \$12.00 per 100; 5 in., \$20.00 and \$25.00 per 100, bud and bloom. Also Ferns, Asparagus plant. CONVERSE GREENHOUSES Webster, Mass.

Kennett Square, Pa., Dec. 12, 1910.

One time was sufficient, our stock is pretty well exhausted,

WM. SWAYNE.

L. Merton Gage, Orange, Mass.

HARDY ROSES

FOR FORCING—READY FOR IMMEDIATE DELIVERY

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Fall or late Winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (half standard).. Deep pink, 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY RAMBLER (half standard). Crimson. 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY CATHERINE SEIMETH (half standard). White. 40 cents each, \$4.00 per doz., \$30.00 per 100.
BABY "STARS AND STRIPES" (half standard). White and red grafted on the same plant; most attractive. 45 cents each, \$4.50 per doz., \$35.00 per 100.
PHYLLIS (half standard). Carmine pink. 45 cents each, \$4.50 per doz., \$35.00 per 100.
TAUSENDSCHON (half standard). Soft pink. 40 cents each, \$4.00 per doz., \$30.00 per 100.
MRS. CUTBUSH (half standard). Rose pink. 40 cents each, \$4.00 per doz., \$30.00 per 100.

Hardy Perpetual Roses

We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1,000.

Alfred Colomb. Carmine.
 Anne de Diesbach. Bright carmine.
 Ball of Snow. Pure white.
 Baron de Bonstetten. Dark crimson shaded.
 Baroness Rothschild. Satiny pink; extra.
 Captain Christy. Delicate flesh color.
 Duke of Edinburgh. Bright Vermillion; very fine.
 Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKE. The finest white in existence.
 General Jacqueminot. Rich, velvety crimson.
 General Washington. Beautiful red, shaded carmine.
 John Hopper. Beautiful rose-pink.
 La France. The finest light pink.
 Margaret Dickson. White, pale flesh center.
 Magna Charta. Clear rosy pink.
 Mme. Gabriel Luizet. Light satiny pink.
 Mrs. John Laing. Soft pink. Most desirable variety.
 Paul Neyron. Beautiful dark pink.
 Prince Camille de Rohan. Velvety crimson.
 Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

merican Grown. The Only Stock for Forcing.

Crimson Rambler

Large heavy plants, two years old, mossed and packed in bundles of 10.

	10	100
3 to 5 feet	\$1 75	\$15 00
4 to 6 feet	2 25	20 00
7 to 8 feet extra strong.....	4 00	35 00

Dorothy Perkins

Strong. 4 to 5 feet, \$1.75 for 10, \$15.00 per 100. **Extra strong,** 8 to 9 feet, \$2.00 for 10, \$18.00 per 100.

A fine selection of English grown Hybrid Teas on hand. Write for prices.

TAUSENDSCHON

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15.00 per 100.

TAUSENDSCHON (standard grown). Each 40 cts., doz. \$4.00, 100 \$35.00.

HIAWATHA. The flowers single, are of a deep intense crimson shade with the petals shading to a pure white base. Flowers very freely, and is undoubtedly one of the best of the single Roses for forcing. Strong two-year \$2.25 for 10, \$20.00 per 100. Extra strong, two-year, field-grown, 6 to 8 feet, \$2.75 for 10, \$25.00 per 100.

WEDDING BELLS. The color is white with the upper half of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. \$1.75 for 10, \$15.00 per 100.

Lady Gay

Flowers delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2.00 for 10, \$18.00 per 100.

Tree Baby Ramblers

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say it retains all its characteristics of free-blooming qualities, etc. Each 40 cts., doz. \$4.00, 100 \$35.00.

BABY DOROTHY. Standard grown. 65 cts. each, \$6.50 per 12, \$50.00 per 100.

BABY RAMBLER ROSES

CATHERINE SEIMETH. A White Baby Rambler Rose, large and better flowers than the type. \$1.50 for 10, \$14.00 per 100.

BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. \$2.00 for 10, \$18.00 per 100.

Baby Rambler (Mme. Norbert Levavasseur)

Strong field-grown plants, \$1.50 for 10, \$14.00 per 100. **Mrs. Cutbush**, very fine, rose pink, one of the best Baby Ramblers. \$1.75 for 10, \$16.00 per 100.

Boskoop Baby. Color beautiful shade of China rose, very free flowering and easily forced. \$3.25 for 10, \$30.00 per 100.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., - - - NEW YORK.

SPLENDID STOCK FOR THE HOLIDAYS DREER'S UNEQUALED SPECIMEN PLANTS

of COCOS WEDDELIANA

If you have not included specimen plants of Cocos Weddeliana in your Christmas stock before you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3 in. pots, 8 to 10 ins. high.	\$2.00 per doz., \$15.00 per 100
5 " 18 " 24 "	Splendid plants, 75c each.
7 " 36 " 42 "	Grand specimens, \$2.50 each.
10 " 30 " 36 "	Very stocky, well balanced plants, \$5.00 each.

ADIANTUM FARLEYENSE

In prime condition for use in hampers, made-up work, etc.

4 in. pots, splendid stock.....	\$5.00 per doz.
5 " " " " " " " " " " " "	9 00 "
6 " " " " " " " " " " " "	12 00 "

ASPLENIUM NIDUS AVIS

Birds' Nest Fern

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine for made-up work.

3 in. pots.....	30c each.
4 " " " " " " " " " " " "	40c "

PLATYCERIUM STEMMARIA

A large leaved variety of the Elk's Horn Fern. This is novel and out of the usual run and will attract attention. Good 6 inch pots.....\$2.50 each.



HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Hallii)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

Japan Iris, Syringa Japonica

Lilium Wallacei, Lilium Tenuifolium,
Madeira and Cinnamon Vine,
Gladioli and other bulbs.

Send for Price List.

E.S. MILLER, Wading River, N.Y.

BOSTON FERNS, 2½ inch \$30.00 per 1000.

WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

FERNS FOR DISHES

Assorted varieties,
2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

4911 Quincy St. - CHICAGO, ILL.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and
Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Manamass, New York.

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

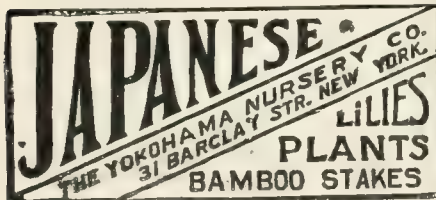
Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country.
Established and freshly imported. Also ma-
terial in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.



Tobacco Paper

IS THE

STRONGEST,**BEST PACKED,****EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

NEWPORT HORTICULTURAL SOCIETY.

This society held its annual meeting on the evening of Dec. 13 when the following officers were elected:

President, Andrew S. Meikel, first vice-president, William Mackay; second vice-president, Andrew J. Dorward; recording secretary, Daniel J. Coughlin; financial secretary, John P. Hammond; sergeant-at-arms, William F. Smith; executive committee, with the above officers, C. M. Bugholdt, John B. Urquhart, John T. Allan, Alexander MacLellan and Bruce Butterson.

The report of the officers showed that the Society is in excellent condition, both financially and socially. On the exhibition table was a plant of Begonia Gloire de Lorrane, which was said to be the best specimen ever shown here and a cultural certificate was awarded the exhibitor, William Mackay. The meeting was well attended, the older members being much in evidence and all joined in giving a rising vote of thanks to James Robertson, the retiring president. A social session then closed a very harmonious gathering and the Society seems to have started on another stage of its existence under very favorable conditions. J. R.

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The annual meeting of the New York and New Jersey Association of Plant Growers was held at the office of the secretary, William H. Siebrecht, Jr., in New York City, on Tuesday, December 6, 1910. In spite of the snow storm a large attendance was at hand. Very important business was transacted and the election of officers also took place.

The following officers and directors were elected for the year 1911. President, A. L. Miller of Brooklyn; vice-president, Herman Schoelzel, of New Durham, N. J.; treasurer, Herman C. Steinhoff, of Hoboken; secretary, Wm. H. Siebrecht, Jr., of New York; directors, C. W. Scott, of the Hinode Florist Co.; John H. Fiesler, of North Bergen, N. J.; David McKenzie, executor of the estate of John Scott.

WM. H. SIEBRECHT, Jr., Sec'y.

ST. LOUIS FLORIST CLUB.

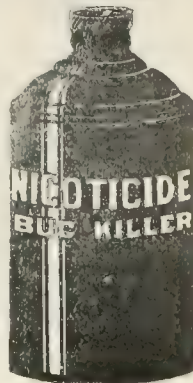
The regular monthly meeting on Thursday afternoon, Dec. 8—the last meeting of the year—was a well-attended and interesting one. There were three new applications for membership, viz.—John Held, John Houlihan and Jules Bourdet. The Chicago Carnation Co. had on exhibition a vase of their new dark pink carnation, Washington, which scored 88 points. Prof. H. C. Irish, Superintendent of

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$52.00

Stump & Walter Co. 50 Barclay St. New York. 6

Cocoon Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

the Missouri Botanical Garden, announced that the scholarship to the Garden which is at the disposal of the club could be voted upon in the January meeting. The secretary announced that applications had been received from R. A. Smith of Charles City, Iowa, and G. Grossart of Belleville, Ill., and these will be voted on at the next meeting together with any others that may come in before that time. E. W. Guy, chairman of the trustees, made a good talk urging interest in the meetings and more regular attendance the coming year, which will be the 25th of the club's existence.

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee

THE H. A. STOOFFHOFF CO. MOUNT VERNON, N. Y.

HIGHER UP IS THE MOTTO OF THE DAY

During our 21 years of labor in improving Chrysanthemums, our sole object was, until 1908, the betterment of the commercial sections. Since then we have directed a part of our efforts to those possessing size and finish, for the private gardeners whose interests are centered upon the best adapted for exhibitions.

We are sending out five of our '08 seedlings which we have carefully tested and by comparison with the best now grown, consider them worthy of our endorsement. They are

POUGHKEEPSIE, GLEN COVE, LENOX, MORRISTOWN and TARRYTOWN.

They are superior to the majority of the importations offered each year.

Next year's exhibitions will sustain our conclusions. Our commercial novelties for 1911 cover a flowering period of six months and comprise the best colors for florists' use.

All have been endorsed as worthy additions by the Chrysanthemum Society of America.

Complete catalogue ready in January.

Those desiring to place early orders will be furnished description and price at once.

ELMER D. SMITH & CO., - Adrian, Mich.

Potted Lilacs for Forcing

Marie Legraye, Ludwig Spaeth, Mad. Casimir Perier, President Grevy, Michael Buchner, Madam Lemoine, Charles X.

ALL POT GROWN BUSHY PLANTS \$1.00 EACH; \$9.00 PER DOZ.

PYRAMIDAL BOX,	2½ to 3 ft.....	Each \$1.50	Pair \$2.50
"	3½ ft.....	" 2.00	" 3.50
"	4 ft.....	" 2.75	" 5.00
"	5 ft.....	" 3.50	" 6.50

If in green tubs, 25 cents extra.

The New England Nurseries, Inc.
Bedford, Mass.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule,

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Nahant, Mass., Dec. 12, 1910.

We are sold out on Xmas stock showing that the one ad. did the

business so well that we shall not need another on our Xmas stock.

THOS. ROLAND.

¶ You may have heard about the little fellow who stole very cautiously up to the letterbox and when no one was looking, slipped a letter in without a stamp on it, thinking he had saved two cents. Well now that's just about the way some growers buy lily bulbs. They think it is smart practice and good business to "jew" down a salesman; but gentlemen it's not. It is not good for either the buyer or the salesman. In lily bulbs you are going to get just what you pay for and no more. It's the same in many other bulbs, plants, etc., and the wise buyer is the man who pays a fair price for the article he wants and insists upon getting what he buys. We have the most direct connection possible in the Japanese bulb business and we know the value of the bulbs; and by costly experience we have learned that it don't pay in the long run to buy cheap lily bulbs — excuse us, we prefer others handle that part of the business. Good lily bulbs, at reasonable prices, we can supply in any ordinary quantity for immediate delivery or for shipments during 1911 from Cold Storage.

Write Us



Ralph M. Ward & Co.

12 West Broadway
NEW YORK

Not How Cheap
But How Good

Seed Trade

Pea Seed Growers' Difficulties.

The pea seed growers are experiencing their usual difficulty in securing acreage with a little extra emphasis on the difficulty. We have not yet learned that the seedsmen have hailed the new growing prices of the seed growers with any great enthusiasm but this was to be expected. An advance over last year's figures was inevitable, the only question being whether some items have not been pushed up just a little too high. If there is anything of this kind and the prices are not uniform or harmonious, matters will adjust themselves before the season advances very far, and when they finally settle down, will probably be about right, and will justify the seedsmen in whatever boost they may have found necessary.

Canners Well Supplied.

Despite the great shortage in peas, the past season, we are informed that so far as the canning trade is concerned, that they are able to secure all they want at prices ranging very little if any higher than last season. The seedsmen, however have not been so fortunate, and will have to content themselves with less than one-fourth of their usual supply of the large-podded, fancy varieties. Prices which they have found necessary to make are so high that that they will very greatly restrict the demand, but this is fortunate, as it would be impossible to supply the usual quantities no matter what the prices might be. We hope to get information about the ruling contracting prices for another year, but from what we learn the greatest advances have been made in the Dwarf Wrinkled sorts and the Large Podded varieties.

We have been informed, and we believe reliably, that Mr. Theodore Cobb has severed his connection with J. F. Noll & Co. (Inc.) of Newark, N. J., and has returned to the fold of D. M. Ferry & Co. It is a year we believe last September since Mr. Cobb left the old house with which he has been associated so many years, and identified himself with J. F. Noll & Co., and it was supposed that with his able associate Mr. E. C. Dungan, the business of J. F. Noll & Co. would rapidly develop in magnitude and prestige, and it therefore is a matter of very great surprise to learn that he has as stated, severed his connection with this concern and gone back to his old love. All his many friends will wish him success in returning to the old field of labor and extend the glad hand as in days of yore.

Notes.

E. C. Dungan, after a sojourn of a year and three months in Newark, N. J., has returned to his former scenes at 1711 Filbert Street, Philadelphia and old friends are glad to see him back again.

The tenth annual meeting of the Canadian Society was held last night at the French Club, Locust street above Broad, when the following officers were elected: President, W. Atlee Burpee; vice-president, Arthur E. Jackson; secretary, C. W. Kimpton; treasurer, Peter Mullen.

THE MAN WHO KNOWS—ALWAYS SOWS Michell's "Distinctive" Seeds

STOCKS

	Trade Pkt.	Oz
BEAUTY OF NICE, pink	\$0.50	\$2.00
QUEEN ALEXAN- DRA, lavender...	.50	2.00
VICTORIA, pure white .....	.50	2.00

BEGONIA GRACILIS

	Trade Pkt.
ROSEA, pink.....	\$0.30
LUMINOSA, scarlet	0.40
ALBA, white.....	0.30

Complete Catalogues for 1911 Free.

HENRY F. MICHELL CO. 518 Market St.
PHILA., PA.

NEW CHRYSANTHEMUM DECEMBER GEM.



A ball shaped Japanese white, with pink stripe on edge of petals giving a pink or pearly tint to the blooms. One of Elmer D. Smith's novelties. Buds selected

September 25th were cut December 1st, while later ones will give succession to Christmas. Strong stem and ample foliage, 3½ ft. high. First class certificate December 3rd.

The society has now a membership of one hundred. Mr. Burpee was presented with a silver loving cup on his re-election.

From the above clipping from the Engravers Bulletin it will be noted that our distinguished fellow citizen, W. Atlee Burpee, has been re-elected to a high honor.

A CORRECTION.

I am sorry to say that an error crept into my last notes on orchids, namely, the sentence "Once an orchid is potted, except epiphytal orchids" should read "except terrestrial orchids." Further down the same mistake was made and it should read "Peristeria elata is a terrestrial orchid"—not "epiphital."

The notes were jotted down in haste

and these mistakes were not noticed until seen in print. M. J. POPE.

Naugatuck, Conn.

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.
42 Vesey St., New York.

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" 60c.;	" 4.00
Crimson	" 60c.;	" 4.00
Canary Yellow	" 60c.;	" 4.00
Dark Blue	" 60c.;	" 4.00
Deep Blood Red	" 60c.;	" 4.00
Apple Blossom	" 60c.;	" 4.00
Rose	" 60c.;	" 4.00
Light Blue	" 60c.;	" 4.00
Scarlet	" 60c.;	" 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.

G. O. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-eum, Lilacinum, beautiful lilac, 60c. per 100, \$5.00 per 1000 seeds; Rococo, extra large fringed, 75c. per 100, \$6.00 per 1000 seeds.

VALLEY PIPS

Just In
Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

NEWS NOTES.

Santa Barbara, Calif.—S. W. Smith & Son have given up the florist trade.

San Francisco, Calif.—Podesta & Baldocchi in the future will only carry on business in their Grand avenue store, having given up the store on Sutter street.

Kalamazoo, Mich.—John Delbert has purchased ten acres of land with the intention of establishing a nursery to deal exclusively in fruit trees. It is expected that in the spring a large shipping shed will be erected.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New ASTER SEED CATALOGUE and WHOLESALE PRICE LIST ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. Wholesale list now ready.

S. D. WOODRUFF & SONS,
82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Holly Wreaths Single, 12 inch, doz.
\$1.50; 100, \$10.00;
1000, \$90.00. Double,
12 inch, doz., \$2.25; 100, \$18.00. Holly,
per case—write or wire for prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Established 1820

**Thorburn's
Bulbs**

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.62	Red Bird Millet, \$2.55
Ger. Bird Rape, \$3.50	Per Bush.
Can. Field Peas, \$1.50	

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Dec. 12, 1910.

Please take out my Feverfew ad. as I am all sold out, thanks to your paper.
A. E. E. KOCH.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.
Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Philip Breitmeyer has acquired 35 feet on Broadway, Detroit, adjoining his present building and expects to erect thereon a "House of Flowers." Negotiations are on foot to lease the present Breitmeyer building to a large commercial house.

Washington—Washington has been in the grasp of the storm king for the past two weeks which has caused prices on nearly all flowers to go up. There is the usual demand, too, for dinner and reception decorations. The unveiling of the Von Steuben statue on Dec. 7th caused quite a demand for wreaths, as well as quantities of laurel rope. Every large city in the Union sent floral tributes to the German hero.

STEAMER DEPARTURES

Allan.

Corinthian, Boston-Glasgow..Dec. 23

American.

Philadelphia, N. Y.-S'h'pton...Dec. 17

Teutonic, N. Y.-S'h'mpton...Dec. 21

Atlantic Transport.

Minnetonka, N. Y.-London...Dec. 24

Cunard.

Mauretania, N. Y.-Liverpool..Dec. 17

French.

La Touraine, N. Y.-Havre....Dec. 22

Floride, N. Y.-Havre.....Dec. 24

Chicago, N. Y.-Havre.....Dec. 24

Hamburg American.

Pres. Grant, N. Y.-Hamburg..Dec. 17

Pennsylvania, N. Y.-Hamb'g..Dec. 24

Holland-American.

Noordam, N. Y.-Rotterdam...Dec. 20

Leyland.

Bohemian, Boston-Liverpool..Dec. 21

North German Lloyd.

Koenigin Luise, N. Y.-Bremen..Dec. 17

Rhein, N. Y.-Bremen.....Dec. 22

Red Star.

Vaderland, N. Y.-Antwerp....Dec. 21

White Star.

Arabic, N. Y.-Liverpool.....Dec. 17

Teutonic, N. Y.-S'h'mpton...Dec. 21

Baltic, N. Y.-Liverpool.....Dec. 24

Detroit—Lack of social entertainments, inclement weather and nearness of the holidays caused several dull days among the local shops last week. Wise dealers have been making good use of this condition and hustled in their preparations for the holidays. The outlook for flowers is rather slim but there will be a good supply of flowering plants and these and fancy plant baskets will be offered in endless variety to a public which in late years has shown to prefer them to cut flowers. The prevailing shortage of ground pine brings laurel wreathing to the fore. Several large orders for church and theatre decorations have been changed to laurel.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

1328 Broadway - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplur.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The

FLORIST
DAYTON, OHIO

is elegantly equipped to take care properly
of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Christmas Green.

With the Holidays near at hand the shortage of greens is daily more appreciated. Christmas would not be Christmas to many customers without green and an advance in price is taken without complaint but it looks at this writing as if the supply would be too short to go around and substitutes would have to take the place of the natural green. The Winterson Co. have in a fine supply but they are very doubtful about the quantity being nearly large enough to meet the demand. Their mistletoe is exceptionally fine, some sprays being three feet across and heavily loaded with berries. Some of their holly also is good and carries quantities of berries. Small table trees are a specialty at this store and are taking well with the trade.

Among the Retailers.

E. Wienhoeber, our largest retailer

of the north side, has increased the capacity of his store greatly since last year and a palm house is always turned into a sales room for plants during this season, making an unusually large and attractive establishment.

A particularly pleasing setting for a game dinner was arranged by J. Starrett of the La Salle Hotel Saturday night. The tables were decorated with roses and smilax while about the room were samples of the game just as they were shot, bolstered up in lifelike positions and placed among shrubbery and wild smilax.

Wm. J. Smyth has now one of the finest retail stores in the country. Mr. Smyth has just completed extensive improvements and he has found this a good time of the year to increase his facilities. He has found with each incurring year that an increase of business follows an overhauling of the store. Further success to Mr. Smyth.

Imperfect Papers.

Horticulture's Chicago representative has been notified that in some of the copies received here four pages have been omitted from the special Holiday and Sixth Anniversary number issued Dec. 10th. This is greatly regretted and if there are any others who have received imperfect copies, same will be replaced from the publication office at once on notification.

Personal.

News of the death of Jos. T. Klimmer was heard in the market on Tuesday A. M. and further notice will be found in the obituary column.

Mr. Youngstrand, formerly of Reeser & Youngstrand, Springfield, O., is looking the ground over with an idea of entering the florists' business in some capacity in Chicago.

Miss Josepha Then was prominently before the public last week for catching two men who had stolen a large quantity of flowers from her father's greenhouses. Miss Then, who is posted as to the varieties her father grows, watched the retail stores and identified the flowers when they were offered for sale. As the men refused to state where they got them it was a clear case.

Visitors—The usual number of florists looking out for their Xmas stock are to be seen in the market, the general scarcity of stock making it necessary to place orders earlier than usual. Among them were noted Paul Beyer, South Bend, Ind.; Jos. Kruz, Altoona, Ill.; Mr. and Mrs. Fetters,

Detroit; J. E. Meredith, Libertyville, Ill.; Theo. Meyer, Waukegan, Ill.; Ralph Latham, Minneapolis, Minn.; P. N. Obertin, Kenosha, Wis.; H. M. Burt, Jackson, Mich.; J. Young, St. Louis, Mo.; C. O. Youngstrand, Springfield, O.; Wm. Walker and son, Ross, of Louisville, Ky. Other callers are L. W. Wheeler of Peters-Wheeler Co., Hollister, Cal.; E. L. Page, Greene, N. Y.; A. C. Kendel, Cleveland, O.; Mr. Meikeljohn of H. F. Darrow, New York.

NEW FLOWER STORES.

Baraboo, Wis.—Wm. Peck, Fifth street.

Olean, N. Y.—Dana Herron, North Union street.

Philadelphia, Pa.—C. Peterson, 2312 Frankfort avenue.

Toronto, Ont., Can.—Harry C. Martin, 2 King street, E.

Philadelphia, Pa.—Walter S. Holt, 2850 North Front street.

Rochester, N. Y.—E. C. Campbell, Main and Ninth Streets.

Philadelphia, Pa.—Arthur F. MacIver, 111 South 8th street.

Philadelphia, Pa.—The Chestnut Hill Flower Exchange, Germantown avenue.

Chicago, Ill.—The Avenue Floral Co., 3810 Grand avenue, L. Hoecker, prop., R. Troost, manager.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 **SEATTLE, WASH.**
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

We are offering for the CHRISTMAS
HOLIDAYS the largest supply of

BEAUTIES — RICHMOND — MARYLAND KILLARNEY

we ever had. The quality of our roses will
be extra fine. The best value you will find
in the top grades.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Dec. 13		Dec. 13		Dec. 13		Dec. 13	
ROSES								
Am. Beauty, Fancy and Special..	80.00	to 100.00	28.00	to 35.00	40.00	to 50.00	50.00	to 75.00
Extra	60.00	to 80.00	20.00	to 25.00	30.00	to 35.00	25.00	to 40.00
No. 1	40.00	to 60.00	10.00	to 20.00	15.00	to 25.00	10.00	to 15.00
Lower grades	30.00	to 40.00	5.00	to 10.00	8.00	to 12.50	6.00	to 8.00
Bride, 'Maid, F. & S.	8.00	to 10.00	6.00	to 8.00	.....	to 8.00	4.00	to 8.00
Lower grades	5.00	to 8.00	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Killarney, Richmond, Fan, & Sp.	15.00	to 25.00	8.00	to 10.00	15.00	to 20.00	10.00	to 16.00
Lower grades	6.00	to 10.00	6.00	to 8.00	4.00	to 10.00	4.00	to 6.00
Maryland, Chateau, Fan, and Sp.	8.00	to 10.00	6.00	to 8.00	12.00	to 15.00	6.00	to 10.00
Lower grades	5.00	to 8.00	4.00	to 6.00	4.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality..								
Ordinary	8.00	to 10.00	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00
Ordinary	4.00	to 6.00	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	100.00	to 120.00	60.00	to 75.00	.....	to 75.00	50.00	to 75.00
Lilies, Longiflorum	12.00	to 15.00	12.50	to 15.00	12.50	to 15.00	8.00	to 10.00
Lily of the valley	3.00	to 5.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets	1.50	to 2.00	.75	to 1.75	.40	to 1.50	.75	to 1.00
Chrysanthemums	20.00	to 40.00	15.00	to 25.00	12.00	to 25.00	12.00	to 15.00
Daisies	2.00	to 3.00	.....	to 1.00	.....	to 2.50	.....	to 1.00
Snopdragon .....	.....	to 3.00	.....	to 8.00	.....	to 12.50	6.00	to 8.00
Sweet Peas	1.50	to 2.00	.....	to .50	.....	to 1.00	.50	to .75
Roman Hyacinths, Paper Whites ..	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00	1.00	to 2.00
Gardenias	40.00	to 50.00	20.00	to 30.00	25.00	to 40.00	30.00	to 40.00
Adiantum .....	.....	to 1.00	.....	to 1.25	1.00	to 1.50	1.00	to 1.25
Smilax	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	8.00	to 10.00
Asparagus Plumosus, strings (100)	60.00	to 75.00	30.00	to 70.00	.....	to 50.00	.....	to 50.00
" " & Spruce (tree branches)	12.00	to 15.00	2.00	to 3.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns,
Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of
Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

HOERBER BROS.,

51 Wabash Ave.,
CHICAGO, ILL.

Cut Flowers

ALWAYS GOOD,
FRESH STOCK

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO - N. Y.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

CHRISTMAS WEEK SPECIAL

The Two Killarneys, My Maryland and American Beauty Roses will be leaders with us for the holidays. We quote magnificent stock, splendid well colored buds:

BEAUTIES, \$6.00 to \$12.00 per doz.
TWO KILLARNEYS and MARYLAND
\$10, \$15, \$20, \$25, \$30 per 100

We can also offer big values in the following:

POINSETTIAS, \$25, \$30, \$35;
a few extra grades \$40 per 100
WHITE LILAC, \$1.00, \$1.50 per bunch
CYPRIPEDIUMS, \$15.00 per 100

Rose Special For Xmas Week

Roses, our selection in lots of 200 or more.

\$6.00 per 100

Order a sample box and be convinced of the splendid values.

The Great New Roses For 1911

Write for descriptive list of
New Double Pink Killarney
New Irish Rose Melody
 Delivery in March.
 Book now.



S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA, 1608-20 Ludlow St.

NEW YORK, 108 W. 28th St.

WASHINGTON, 1212 New York Ave.

Flower Market Reports.

Trade in flowers is very **BOSTON** slow this week. Fortunately the demand and supply are pretty well balanced, as just now most of the growers seem to be off crop and the situation is easily controlled. The wholesale houses are busying themselves mainly with green goods and are badly hampered in their shipments by the inspection laws now in force which compel examination of every lot of laurel, etc., by the representatives of the Bureau of Entomology of the U. S. Department of Agriculture, to guard against the distribution of moth pests. American Beauties are scarce; other roses in fair supply. Violets are also in short receipt but there may be plenty hidden under the foliage awaiting the call of the Christmas bells a week hence. Gardenias are advancing in value and carnations are holding stiffly to published quotations.

Stock in every line has **BUFFALO** been in short supply, especially carnations, and as the chrysanthemums have passed over, the demand has been heavy on carnations and other material. Roses have been in fair supply and some choice Killarney, Maryland and Richmond are had, the demand being better for the shorter grades lily of the valley, violets, Roman hyacinths, narcissi, peas and lilies have sold well. The demand is growing daily for Christmas decorative material and the outlook is promising for a record-breaking holiday business.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Dec. 13		DETROIT Dec. 13		BUFFALO Dec. 13		PITTSBURG Dec. 13	
ROSES								
Am. Beauty, Fan, and Sp.	35.00	to 50.00	25.00	to 35.00	40.00	to 50.00	40.00	to 50.00
" Extra	30.00	to 35.00	20.00	to 25.00	30.00	to 35.00	25.00	to 35.00
" No. 1	20.00	to 30.00	15.00	to 20.00	20.00	to 35.00	15.00	to 20.00
" Lower grades	8.00	to 20.00	4.00	to 12.00	4.00	to 7.00	6.00	to 10.00
Bride, "Maid, F. & S.	6.00	to 8.00	6.00	to 10.00	8.00	to 10.00	6.00	to 8.00
" Low. gr.	4.00	to 10.00	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Killarney, Richmond, Fan, & Sp.	8.00	to 10.00	6.00	to 10.00	10.00	to 12.00	8.00	to 10.00
" Lower grades	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Maryland, Chateauf, Fan, and Sp.	8.00	to 10.00	6.00	to 10.00	10.00	to 12.00	8.00	to 10.00
" Lower grades	4.00	to 6.00	4.00	to 6.00	5.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	.....	to 5.00
" Ordinary	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00	.....	to 4.00
MISCELLANEOUS								
Cattleyas .....	.....	to 50.00	.....	to 50.00	.....	to 50.00	.....	to 75.00
Lilies, Longiflorum	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	.....	to 12.00
Lily of the Valley .....	.....	to 4.00	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00
Violets .....	.35	to .50	1.00	to 1.50	1.00	to 1.25	.....	to .75
Chrysanthemums	4.00	to 18.00	10.00	to 25.00	.....	to 25.00	.....	to 25.00
Snapdragon	2.00	to 6.00	6.00	to 8.00	.....	to 8.00	6.00	to 8.00
Sweet Peas .....	.....	to .50	.....	to .50	.30	to .35	1.00	to 1.50
Roman Hyacinths, Paper Whites ..	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00	1.00	to 4.00
Gardenias .....	.....	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 50.00
Adiantum .....	.....	to 1.00	.75	to 1.30	.50	to 1.50	1.00	to 1.50
Smilax	10.00	to 15.00	.....	to 15.00	.....	to 15.00	15.00	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	20.00	to 30.00	25.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	15.00	to 25.00	20.00	to 30.00	25.00	to 50.00	30.00	to 50.00

CHICAGO

The retailers generally report trade the past week as rather quiet. That stock is scarce and prices high probably have much to do with this condition as well as the coming holidays. Those stores drawing their patronage largely from the four hundred have more call for flowers for opera parties, luncheons, coming-out parties, etc., while smaller stores find their trade limited largely to funeral work. Wholesalers are in their usual position at such times, depending largely upon the shipping trade. As

the supply is coming in very slowly prices are high enough to make the totals about as before and everything cleans up each day. There is considerable difference of opinion regarding stock outlook for Christmas. Chrysanthemums are nearly gone and probably will be out entirely in another week. Roses and carnations will depend so much upon the sunshine that no one can forecast the chances. All kinds of green—the retailer's hope when flowers are too high for his trade—are also scarce and poor with prices well up and likely to go higher.

(Continued on page 383)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.]

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK

'Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

'Phone 2336-3357 Mad. Sq. Greenhouses: Forest Hill, N. J.
KESSLER BROS.
WHOLESALE PLANTSMEN AND FLORISTS
136-138 West 28th Street, NEW YORK

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 10 1910		First Half of Week beginning Dec. 12 1910	
American Beauty, Fancy and Special.....	30.00	to 40.00	30.00	to 50.00
“ “ Extra.....	20.00	to 30.00	15.00	to 20.00
“ “ No. 1.....	10.00	to 15.00	8.00	to 12.00
“ “ Lower Grades.....	4.00	to 6.00	3.00	to 6.00
Bride, 'Field, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
“ “ Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fancy and Special.....	8.00	to 10.00	8.00	to 10.00
“ “ Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland, Chateaux, Fancy and Special.....	6.00	to 10.00	5.00	to 10.00
“ “ Lower Grades.....	3.00	to 4.00	3.00	to 4.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 5.00
“ Ordinary.....	1.50	to 2.00	1.50	to 2.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York
Telephones { 1665 { Madison Square CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
136 W. 28th St., New York City
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. MOLTZ & CO.**Wholesale Florists****A. MOLTZ MAURICE L. GLASS**Coogan Building, 55-57 West 26th Street
NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER EXCHANGE, Inc.****WHOLESALE COMMISSION FLORISTS**

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports*(Continued from page 881)*

NEW YORK In the cut flower domain it is now practically a waiting game. The public are not disposed to do much flower buying at present and consequently the call is light, as is the case every year at this particular period. The inclement weather—much more wintry than we usually experience in early December—has helped the situation materially and prevented any great accumulation of stock or any severe price depreciation. Stevia, Roman hyacinths and paper white narcissi are everywhere, in unreasonable quantities, and their market value will not make the growers rich. All other things are in moderate supply and excellent quality and prices are easily maintained. Strong values are indicated for Christmas on choice goods.

PHILADELPHIA Business kept up last week in good shape, and there was a pretty general clean-up all along the line. Prices on the average were good, although in the opinion of good judges, not quite up to the record of previous years at this date. This is especially true as to high-grade roses. In the lower grade roses prices have been proportionately better. White roses and good Richmonds are on the scarce side. There is an abundance of pink roses. Carnations continue of fine quality, and prices have stiffened a little, if anything. Jeanie Nonin is about the only chrysanthemum left, and it is not coming in now in its best form. Orchids still scarce and prices holding firm. Cattleya Trianae and Cypripedium are the leading sorts, with a few spray orchids. Violets are plentiful and good—the local supplies being supplemented in some quarters with Hudson River stock. Lily of the valley is still rather scarce. Sweet peas are coming in more freely and will improve right along. What little mignonette is arriving is only of medium quality as yet. There is a regular supply of white lilac sprays which finds ready takers at good figures. Boxwood, holly, lycopodium and other greens are unusually scarce, and most dealers have stopped taking more orders, and are having difficulty in filling those already on hand.

ST. LOUIS The market has been scarce of stock for the last two weeks and the outlook for Christmas is not very bright as to the supply of cut flowers. Everything in the market at present is at top price. Roses are in fairly

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Dec. 10 1910		First Half of Week beginning Dec. 12 1910	
Cattleyas	75.00	to 100.00	75.00	to 100.00
Lilies, Longiflorum	6.00	to 8.00	8.00	to 10.00
Lily of the Valley	2.00	to 4.00	2.00	to 4.00
Violets.....	.50	to 1.00	.50	to .75
Snapdragon	3.00	to 6.00	3.00	to 6.00
Chrysanthemums	5.00	to 15.00	5.00	to 15.00
Sweet Peas.....	.50	to .75	.50	to .75
Roman Hyacinths, Paper Whites	1.00	to 2.00	1.00	to 2.00
Gardenias	8.00	to 35.00	10.00	to 35.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (100 bchs.).....	15.00	to 25.00	15.00	to 25.00

good supply at present with prices not over \$8 per 100 for fancy stock. American Beauties bring \$5 per doz. for best. Carnations run from \$4 to \$5 per 100 and are very scarce at those prices. Violets, single 75 cents per 100, No doubles in the market. Lilies \$12 to \$15, Paper Whites and Roman hyacinths are scarce and bring \$4. Chrysanthemums are over for the season. All greens have a big demand with no advance in price.

NEWS NOTES.

Philadelphia, Pa.—Edward Reid's new address is 1619-1621 Ranstead street.

Pittsburgh, Pa.—The Allegheny Floral Co., Federal street, north side, has gone out of business.

New York, N. Y.—Mrs. Alice Hoffmann, wife of Michael Hoffmann, florist at Nanuet, committed suicide here Dec. 7th.

Philadelphia, Pa.—Frank A. Polites, florist, was married on Nov. 27th to Miss Ourani Louisa, of Athens. Picturesque rites were performed by the rector of the Greek Orthodox Church. The walk to the altar was sprinkled with roses in compliance with a promise made years ago in Greece.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

**KRICK'S FLORIST NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply House

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

Galax and Leucothoe

Quality, Packing and Price All Right. Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.**SOUTHERN WILD SMILAX**

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealer.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AIR PLANTS

Japanese air plants, in canoes, \$2.00 per doz.; in baskets, \$1.50 to \$3.00 per doz.
Geo. A. Kuhl, Pekin, Ill.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengerii, strong, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Azaleas, 75c., \$1.00 and \$1.25. Geo. A. Kuhl, Pekin, Ill.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
J. A. Peterson, Cincinnati, O.
Begonia Glory of Cincinnati.
For page see List of Advertisers.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.
Begonia Gloire de Lorraine, 2½ in., fine stuff for filling made up baskets, \$10.00 per 100. Cash, please. Joseph Traudt, Canajoharie, N. Y.
Gloire de Lorraine begonias, 3½-in., 25c.; 4-in., 35c.; 5-in., 50c. Rex begonias, 2½-in., \$5.00 per 100. Four flowering varieties at same price. Geo. A. Kuhl, Pekin, Ill.

REX BEGONIAS

My specialty. Largest collection, \$5.00 per 100, \$45.00 per 1000; 250 at 1000 rate.

B. C. BLAKE.

Springfield, Ohio, Box 817.

BERRIED PLANTS

Black and red berry bushes, 10c. ea.; \$6.00 per 100. Cash please. Anton Clohan, Vir-den, Ill.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BOXWOOD SPRAYS

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

For page see List of Advertisers.

"Buds," New York, N. Y.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Special Offer.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.

For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CANNAS

BEST CANNAS IN THE WORLD.

Send for our new lists of latest and best 35 kinds. Stock excellent, prices right.
Conard & Jones Co., West Grove, Pa.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Carnation Washington.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

J. D. Thompson Carnation Co., Joliet, Ill.

Carnation Cuttings.

For page see List of Advertisers.

Nic Zweifel, North Milwaukee, Wis.

Carnation Bright Spot.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.

CHRISTMAS GREENS, FLOWERS AND SUPPLIES

Welch Bros., Boston, Mass.
For page see List of Advertisers.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

Henry M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS PLANTS

Pierce Bros., Waltham, Mass.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

John M. McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

Anton Schultheis, College Point, N. Y.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

CHRYSANTHEMUM

Chas. H. Totty, Madison, N. J.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.

For page see List of Advertisers.

Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early Snow, Polly Rose, Kalb, Tousey, Poehlmann, Eaton, Nonin, Baby Margaret, Pacific Supreme, Gloria, Liger, Duckham, M. F. Plant, Maud Dean, Leo (Pink Pompon), Shrimpton, Cullingfordii, Golden Glow, Monrovia, Georgianna Pitcher, Yellow Eaton, Col. Appleton, Golden Wedding, etc., \$4.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 75c. per doz, \$6.00 per 100; Mrs. Wm. Wincott (White) and Mrs. Wm. Peacock (Pink), 1910 Novelties, \$2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

For List of Advertisers See Page 889

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COCOS WEDDELIANA

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Converse Greenhouses, Webster, Mass.
For page see List of Advertisers.

Cyclamen. We are headquarters and have an immense stock. Giganteum, 3-in., \$5.00 per 100; 4-in., well budded, \$10.00 per 100; 5-in., well budded, \$15.00 per 100. Whitton & Sons, City & Green Sts., Utica, N. Y.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the Journals last spring. Cultural directions with every order. Christ. Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

For page see List of Advertisers.

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridge-water, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J. Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechsli, 4911 Quincy Street,

Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,

N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

Holiday Ferns.

For page see List of Advertisers.

R. G. Hanford, Norwalk, Conn.

Christmas Ferns.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N.J.

3000 Boston and Piersoni Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

Neph. Whitmanii, 2¼-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2¼-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

Frame grown Boston Ferns ready for delivery. Good 5-in., 15c. ea.; \$10.00 per 100. Anton Cioban, Virden, Ill.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

F. Schell & Co., Lancaster, Pa.

Geranium Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, 2-in. strong. Alphonse Ricard, Beaute Poitevine, Mme. Barney, S. A. Nutt, John Doyle, Berthe de Presilly, La Favorite, Jean Viaud, Madonna, E. H. Trego, Jas. Vick, Le Soleil, Heteranthe, Mrs. E. G. Hill, Precursor, \$2.50 per 100 Cash. H. G. Norton, Perry, Ohio.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

GLASS

Boston Plate & Window Glass Co., Boston

For page see List of Advertisers.

Standarn Plate Glass Co., 26-30 Sudbury

St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

GLASS—Continued

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. Anburndale Goldfish Co., 920 Randolph St., Chicago, Ill.

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope, rooted cuttings, 100 prepaid
75c. Chas. Frost, Kenilworth, N. J.

HOLLY

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

Henry M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Welch Bros., Boston, Mass.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
Holly Wreaths.
For page see List of Advertisers.

A. K. Savacool & Co., Camden, N. J.
Holly and Holly Wreaths.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOLIDAY TRANSFER ORDERS

Young & Nugent, New York, N. Y.
For page see List of Advertisers.

Thomas F. Galvin, Boston, Mass.
For page see List of Advertisers.

HOLIDAY FLOWER SHIPMENTS

H. E. Froment, New York, N. Y.
For page see List of Advertisers.

P. J. Smith, New York, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, New York, N. Y.
For page see List of Advertisers.

Radgley, Riedel & Meyer, New York, N. Y.
For page see List of Advertisers.

J. K. Allen, New York, N. Y.
For page see List of Advertisers.

M. C. Ford, New York, N. Y.
For page see List of Advertisers.

August Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

James McManus, New York, N. Y.
For page see List of Advertisers.

Wm. P. Ford, New York, N. Y.
For page see List of Advertisers.

Poehlmann Bros. Co., Chicago, Ill.
For page see List of Advertisers.

J. A. Budlong, Chicago, Ill.
For page see List of Advertisers.

Welch Bros., Boston, Mass.
For page see List of Advertisers.

Henry M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 4 in., \$8.00 per 100; 3 in., \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., \$10.00 per 100; the same, 8 to 12 in., \$6.00 per 100. Gladoli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, \$3.00 per 100; \$25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

INSECTICIDES.

Nicotide kills all greenhouse pests. P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.

Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.

INVESTMENT OFFER

Buffalo Land Co., Buffalo, N. Y.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts. C. Betscher, Canal Dover, O.

IVIES

Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem cherries, in fine color, 3-in., \$10.00; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For List of Advertisers See Page 889

LILIUM MULTIFLORUM AND GIGANTEUM

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

LILY OF THE VALLEY

Arthur T. Boddington, New York, N. Y.
Cold Storage.
J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.
For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
New England Nurseries, Bedford, Mass.
Pot Grown Forcing Stock.
For page see List of Advertisers.
W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
For page see List of Advertisers.
The F. E. Conine Nursery Co.,
Stratford, Conn.
Specimen Trees, Evergreen and Deciduous.
Bay State Nurseries, North Abington,
Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.
Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.
R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

BERBERIS THUNBERGII. New clean
SEED, \$1.75 per lb.; STRATIFIED, \$1.00
per lb.; **CLEMATIS PANICULATA**, \$2.25
per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
Ordenez Bros., Madison, N. J., Box 105.
For page see List of Advertisers.
Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
Collin Campbell, New York, N. Y.
Cattleya Superba.

John DeBuck, New York, N. Y.
Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Jullus Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100.
Sunnyside Greenhouses, Barborton, Ohio.
Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHLOX

Phlox, surplus. Mixed field-grown plants,
\$2.50 per 100. Cash with order. W. F.
Schmeiske, 72 Court St., Binghamton, N. Y.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Buxton Donne Co., 13 Midway St., Boston.
For page see List of Advertisers.
Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burnham,
1133 Broadway, N. Y.

PLANT POTS AND PEDESTALS

Jones, McDuffee & Stratton Co., Boston,
Mass.

PLANT PRESERVATIVE

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practically
no cost. Formula and complete instructions
on receipt of \$1.00. BARTON,
413 Columbus Ave., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trelises.
H. D. Seele & Sons, Elkhart, Ind.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

Primroses, Chinese, Forbesi and obconica,
2½-in., \$5.00; 3-in., \$8.00; 4-in., \$12.50 per
100. Geo. A. Kuhl, Pekin, Ill.

RAFFIA

McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.
P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.
S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.
Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
For page see List of Advertisers.
Arthur T. Boddington, New York, N. Y.
Hardy Roses, Ramblers, Baby Ramblers,
Etc.
For page see List of Advertisers.
E. G. Hill Co., Richmond, Ind.
New Forcing H. T. Rose Queen, Rose Mrs.
Aaron Ward.
Eastern Nurseries, Jamaica Plain, Mass.
Two New Rambler Roses.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside
Greenhouses, Barborton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.
Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.
Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.
Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.
S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.
Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.
Arthur T. Boddington, New York.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

SEEDS - Continued

- R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.
- Rickards Bros., 37 E. 19th St., New York
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.
Cyclamen Giganteum Seed.
For page see List of Advertisers.
- Fottler, Fiske, Rawson Co., Boston, Mass.
Cyclamen Seed.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- "Buds," New York, N. Y.
Cyclamen Seed, Extra Valley Pips.
For page see List of Advertisers.
- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
- Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
For page see List of Advertisers.
- Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.
- J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.
- S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snapdragon, rooted cuttings, white, light pink, rose pink, \$2.00 per 100; \$18.00 per 1000. Adolph E. E. Koch, Nobscoot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

VENTILATING APPARATUS

Plereson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLET BLOOMS

Marie Louise Violet Blooms, A No. 1 quality, ready now, \$1.50 per 100. Christmas week, \$1.75 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.

Southern Wild Smilax.

For page see List of Advertisers.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

**WHOLESALE FLORISTS
Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

- Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.
- Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316 Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

New York

M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 23rd St., New York.
For page see List of Advertisers.

August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.

J. K. Allen, 106 W. 23rd St., New York.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.

Frank Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.

Siebrecht & Siebrecht, 136 West 28th St., New York.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.

BOSTON FLOWER MARKET STOCK.
Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

CARNATIONS, CHRYSANTHEMUMS, CANNAS.

Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.

CHRISTMAS WEEK SPECIAL, WHITE LILAC, ETC.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

GROUND COVERS AND PLANTS FOR THE ROCKERY.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

HOLLY WREATHS.

W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

LORRAINE BEGONIAS, CYCLAMENS.

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

NEW SEEDS FOR FLORISTS' PLANTING.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

STOCK AND BEGONIA SEEDS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

Landscape Gardening

PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

HELP WANTED

WANTED—On a commercial place, a strictly temperate, single man, with some experience in greenhouse work. Must be accustomed to the care of fires. References required. Address Miss M. Sutermeister, Canton Ave., Readville, Mass.

WANTED—To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade. Address Southworth Bros., Beverly, Mass.

SITUATIONS WANTED

GREENHOUSE ASSISTANT, one year and nine months in rose house; some other experience; best references. Y. T., care HORTICULTURE.

FOR SALE**FOR SALE**

FINE FLOWER STORE AND PROFITABLE BUSINESS, established quarter century, in large city in Maine. First class equipment throughout. Extensive local and shipping trade.

For particulars address

AFFLUENCE, care HORTICULTURE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—A retail flower store in one of the best locations in Boston. Low rent and good reason for selling. Apply to Z. Y., care HORTICULTURE.

List of Advertisers

Page	Page
Advance, The Co. 891	Kasting, W. F. 880
Allen, J. K. 882	Kentucky Tobacco Product Co. 874
American Nursery 860	Xervan Co. 883
Aphine Mfg. Co. 888	Kessler Bros. 882
Aschmann, G. 871	King Cons. Co. 891
Badgley, Reidel & Meyer. 882	Krick, W. C. 883
Banner, J. L. 883	Kroeschell Bros. Co. 891
Barnard, W. Co. 877	Kuebler, W. H. 883
Barrows & Son. 873	Lager & Hurrell. 873
Bayersdorfer, H. & Co. 879	Langjahr, A. H. 882
Bay State Nursery 860	Lawrence, H. V. 878
Beaven, E. A. 883	Leonard Seed Co. 877
Bloomington Bros. 871	Leuthy, A. & Co. 871
Bobbinck & Atkins 860	Long, W. H. 878
Boddington, A. T. 872	Lord & Burnham Co. 892
Bolgiano, J. & Son 877	MacMulkin, E. 878
Boston Florist Letter Co. 883	Matthews 878
Boston Plate & Window Glass Co. 891	McCarthy, N. F. Co. 870-883
Braslan Seed Co. 877	McConnell, Alex. 878
Breck, J. & Son. 877	McCray Refrigerator Co. 879
Breitmeyer's, J. Sons 878	McCullough's, J. M. Sons Co. 880
Bridgman's Seed Warehouse 877	McHutchinson & Co. 871
Budlong, J. A. 880	McKellar, C. W. 880
"Buds" 877	McKenzie, J. 870
Burpee, W. A. & Co. 877	McManus, Jas. 882
Buxton, Doane Co. 891	Metropolitan Material Co. 891
Carrillo & Baldwin 873	Miami Valley Seed Co. 877
Chicago Carnation Co. 859	Michell, H. F. Co. 876
Childs, John Lewis 873	Michigan Cut Flower Ex. 883
Clarke's, D. Sons 878	Millang, A. 882
Converse Greenhouses 870	Millang, Chas. 882
Jowee, W. J. 883	Millang, F. 882
Craig, Robt. Co. 859	Miller, E. S. 873
Crawback, G. W. 882	Moltz, A. & Co. 883
Dards 878	Moninger, J. C. Co. 891
Dawson, H. S. 860	Moore, Hentz & Nash 882
Dodd, Chas. H. 891	Morse, C. C. & Co. 877
Dorner & Sons Co. 859	Murray, Samuel 878
Dreer, H. A. 873-890	N. E. Nurseries. 875
Dysart, R. J. 880	Nicotine Mfg. Co. 874
Dunlop, John H. 878	Nielsen, Leo Co. 880
Eastern Nurseries 860	Oechslein, Frank 873
Edwards Folding Box Co. 880	Ordenez Bros. 873
Ellwanger & Barry 875	Ouwerekker, P. 860
Elliott's, W. Sons 876	Paethorpe, P. R. Co. 874
Esler, J. G. 891	Palmer, W. J. & Son 878
Ernest, W. H. 890	Park Floral Co. 878
Eyres 878	Parshelsky Bros. 890
Farquhar, R. & J. & Co. 870	Peacock Dahlia Farms 875
Foley Mfg. Co. 891	Pennock-Meehan Co. 881
Ford, M. C. 882	Perkins St. Nurseries 871
Ford, W. P. 882	Peters & Reed 890
Fottler, Flske, Rawson Co. 877	Peterson, J. A. 858
Froment, H. E. 882	Peirce Bros. 869
Galvin, Thos. F. 879	Pierson, F. R. Co. 868
Glockner, Carl R. 877	Pierson A. N. 871
Greater N. Y. Florists' Assn. 882	Pierson U-Bar Co. 892
Grey, T. J. Co. 877	Plant Food Co., 20th Century. 874
Gude Bros. Co. 873	Poehlmann Bros. 880
Hall Association. 891	Pratt, B. G. 874
Hart, Geo. B. 880	Pulverized Manure Co. 874
Hartman, Hjalmar 877	Reed & Keller. 883
Heacock, Jos. 871	Reinberg, Peter. 880
Herbert 860	Rice Bros. 880
Hews, A. H. & Co. 890	Rice, M. & Co. 858
Hillinger Bros. 890	Rickards Bros. 877
Hill, The E. G. Co. 859	Robinson & Co. 869-880
Hitchings & Co. 892	Rock Wm. L. 878
Hoerber Bros. 880	Roehrs, Julius Co. 873
Hollywood Gardens 879	Roland, Thos. 871
Home Corresp. School 888	Rolker, A. & Sons 890
Horan, E. C. 882	Sander & Son. 873
Hunt, E. H. 874	Schultheis, A. 871
Intern'tl Floral Association 878	Schultz, Jacob. 878

Page	Page
Siebrecht & Siebrecht 882	Totty, Chas. H. 859
Siggers & Siggers 890	Thurlo's, T. C. Sons, Inc. 860
Skidelsky & Irwin 877	Traendly & Schenck 882
Slinn, B. S., Jr. 882	Trepel, C. C. 871
Smith, E. D. & Co. 875	Valentine, J. A. 878
Smith, P. J. 882	Vicks, Jas. Sons. 877
Smith, W. & T. Co. 860	Vincent, R., Jr. & Sons. 859-860
Smyth, Wm. J. 878	Wadsworth, B. E. 859
Standard Plate Glass Co. 891	Wants, For Sale. 888
Stearns, A. T. Lumber Co. 891	Ward, R. M. & Co. 875
Stoothoff, H. A. Co. 874	Waterer, John & Sons 860
Stumpp & Walter Co. 874	Welch Bros. 867-880
Syracuse Pottery Co. 890	Wilson 878
Tailby 879	Wood Bros. 859
Thompson, J. D. Carnation Co. 859	Woodruff, S. D. 877
Thorburn, J. M. & Co. 877	Yokohama Nurseries 873
	Young, A. L. 882
	Young & Nugent. 878
	Zinn, J. A. 879

PERSONAL.

John Burton is reported on the sick list at his home in Chestnut Hill, Philadelphia.

Robert Brydon, with Edward W. Breed, florist, during the past season, left for Orlando, Fla., Dec. 5th, where he has a similar position.

We learn with much sympathy of the serious illness of our esteemed correspondent, Rev. C. S. Harrison of York, Neb. We sincerely hope to soon hear of his full recovery. Mr. Harrison is in his 79th year.

Visiting Boston this week—E. G. Hill of Richmond, Ind.; E. J. Harmon, Portland, Me.

Visitors in St. Louis—Frank E. Kargis of Ralph M. Ward & Co., New York; Harry Nicholson, representing the Chicago Carnation Co., Joliet, Ill.; R. A. McPherson, Litchfield, Ill.; W. C. Woodruff, Lowgap, N. C.

NEWS NOTES.

Portland, Ore.—V. F. Perry, 595 Madison street, has gone out of the florist business.

Centralia, Wash.—Barnett & Ranck are succeeded by John Willius, formerly of Danville, Ill.

Akin, Ill.—E. B. Alexander, with the Kuhl Greenhouses for some years, has taken a position with Schantz the florist.

Westfield, Mass.—C. H. Jacobs will shortly remove his florist business to the store now occupied by Wm. J. Chapman.

Buffalo, N. Y.—S. A. Anderson, florist, has purchased the store and greenhouse of John H. Rebstock, 493 Elmwood avenue.

St. Louis, Mo.—Miss May Burns has purchased the store of J. J. Burke, at Grand and Finney avenues. It will be known hereafter as the Burns Floral Co.

CHRYSAETHUM SOCIETY OF AMERICA.

Work of Committees.

Chicago, Ill., Dec. 3.—December Gem, Inc., pink, exhibited by Elmer D. Smith & Co., Adrian, Mich. Color 17, form 14, fullness 9, stem 14, foliage 10, substance 15, size 10; total 89 points.

CHAS. W. JOHNSON, Sec'y.

During Recess

New York Bowlers.

At the match game last week in New York between the New York and Astoria teams the Astorias again trimmed the representatives of the metropolis by a narrow margin. Following are the scores:

NEW YORK.	ASTORIA.
Manda, 148 115 141	D'n'lds'n, 166 164 137
Marsh'll, 164 112 111	Kessler, 160 148 130
Scott, 142 126 153	S'b'rcht, 125 144 191
Berry, 110 154 147	Elms'n, 116 155 142
Smith, 167 118 139	D'son, Jr., 138 179 147
Fenrich, 144 131 171	Lorenz, 94 148 127
C'dw'ck, 202 138 187	Miesem, 144 192 190

Nearly thirty rooters were present and fun ran high. J. B. Nugent provided a fine lunch.

On Monday afternoon, 12th inst., the bowlers of the New York Club made the following records:

Manda, 159 201 157	Scott, 120 — —
Rick'rds, 138 119 135	Miesem, 189 152 147
Shaw, 147 168 168	Schultz, 90 80 —
Elms'n, 145 159 143	Berry, 156 99 —
Marsh'll, 137 176 132	D'n'lds'n, 173 187 —
Siegel, 105 — —	

Chicago Bowlers.

ROSES.	ORCHIDS.
1st 2nd 3rd	1st 2nd 3rd
Wolf, 160 131 116	Hu'bner, 148 136 143
Johnson, 154 211 154	Farley, 212 166 195
Byers, 119 143 173	Gart, 189 151 165
Kr'cht'n, 120 140 176	Degnan, 175 215 166
Fischer, 210 189 157	Zech, 169 140 172

CARNATIONS.	VIOLETS.
1st 2nd 3rd	1st 2nd 3rd
Kraus, 130 143 149	V'ghan, 210 134 200
W'n't's'n, 142 140 131	L'b'm'n, 104 132 88
Goerisch, 165 144 178	Fr'dm'n, 149 139 137
Schultz, 160 156 140	Lorman, 155 124 127
A. Zech, 183 173 146	Yarnall, 145 226 149

PHILADELPHIA NOTES.

Reports recently received from W. R. Gibson, Seattle, by friends in this city, indicate that he is in a fair way to recover from the serious accident which occurred to him about a month ago by his having been thrown while out horseback riding but it will be some time yet before he is able to leave the hospital.

B. Eschner of M. Rice & Co., has just returned from a business trip, and says all the florists along the line are doing good business, feeling good, and are quite enthusiastic as to the outlook for the holiday trade. A good proof that this condition is genuine is the fact that every call produced an order for more goods. A store must have been doing something to warrant that sort of thing.

A committee from the New York Florists' Club consisting of C. H. Totty, F. H. Traendly, R. Simpson and others, were in Philadelphia on the 15th inst. to examine the new roses at Sharon Hill—Melody and Double Killarney. The committee were greeted in Philadelphia by Samuel S. Pennock of the S. S. Pennock-Meehan Co., and were his guests at the City Club for dinner, after which they made the trip to Sharon Hill. Their report is awaited with interest.

Visitors—A. H. Hoyt, representing the Sterling Chemical Co., Cambridge, Mass.; Edwin A. Seidewitz, Baltimore, Md.; Stewart Barclay Lohman, Santa Barbara, Cal.; Henry W. Burns, Chicago; J. N. Champion, New Haven, Conn.; Mrs. Henderson, Millville, N. J.; O. J. Sawyer, Allentown, Pa.

Chas. Holzborn, florist on Oak Hill, Mo., whose place was burned out a week ago, reports his loss at \$500 and will rebuild early in spring.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Highland Falls, N. Y.—Stephen Dombrowsky has accepted the position of superintendent for J. P. Morgan.

New Haven, Conn.—Leroy D. Sperry, an employee, has been charged with forgery and theft from the F. S. Platt Co. He is held in bonds of \$2500.

Lynn, Mass.—Edward Dwyer, florist, has brought suit against the street railway for damages to the extent of \$1,000, which he claims was done to a large willow in front of his house by a balloon used in ascensions at Floating Bridge Park.

Tarentum, Pa.—The McWilliams Floral Co. is a stock company recently organized by G. A. McWilliams, formerly in business in Natrona, Pa. The company is operating a range of houses of about 56,000 square feet of glass.

Lenox, Mass.—John W. Pybus, on Feb. 1st, will take the position of head gardener at the new establishment of W. N. Salisbury, Pittsfield, Mass. He will still hold his position as assistant secretary of the Lenox Horticultural Society.

Skowhegan, Me.—Two stray bullets crashed into the greenhouse of F. G. Danforth, Madison street, on Dec. 6th. Again on the 7th another missile of the same kind struck the chimney. The authorities failed to locate the source of the trouble.

Rutherford, N. J.—Julius Roehrs Company recently installed a pump capable of supplying 100,000 gallons of water every 24 hours. An Artesian well 115 ft. in depth, 6 inch pipe, furnishes an apparently inexhaustible supply and the outfit has proved invaluable in this season of water scarcity.

PATENTS GRANTED.

- 977,604. Garden Tool. Charles William Deussen, New York, N. Y.
977,740. Pipe-Coupling. Campbell P. Higgins, Roselle, N. J., assignor to The Babcock and Wilcox Company, Bayonne, N. J., a Corporation of New Jersey.
977,818. Flower Pot Holder. Thomas McManus, Detroit, Mich.

INCORPORATED.

Chicago, Ill.—Allegretti Floral Co., capital stock \$500. Incorporators, B. P. Barasa, A. S. Berdine and E. J. Rice.

IN BANKRUPTCY.

Alameda, Calif.—United Eucalyptus Nursery Co., liabilities \$5418, and property assets \$2325.

A SIMPLE RUST-PROOFING PROCESS.

Consul Albert Halstead, of Birmingham, calls attention to the announcement by a British journal of a new rust proofing process for iron and steel. The article is boiled in 1 gallon of water to which is added 4 ounces of phosphoric acid, and 1 ounce of iron filings. A black noncorroding coating is produced.

This should be of interest to greenhouse owners. If its application to the iron supports of roof and benches will prevent rusting off at the point of contact with the soil it will be a great advantage. While on the subject we might give a word of caution—which, however, will be superfluous to most of our readers—regarding the use of coal ashes in greenhouse walks where they come in contact with iron bench supports. They will eat through the iron very rapidly.

GREENHOUSES BUILDING OR CONTEMPLATED.

Orono, Me.—J. A. Malloney, one house.

Elkins Park, Pa.—W. F. Fray, grapery.

Rochester, N. Y.—Hugo Teute, house 20 x 100.

Dayton, Ohio.—Miami Floral Co., range of houses.

St. Louis, Mo.—Robert Windler, range of houses.

Attleboro, Mass.—D. E. Newell, 150 foot house in the spring.

Danielson, Conn.—Franklin & Crosby, one house in the spring.

Philadelphia, Pa.—Henry C. Heilmann, Germantown, one house.

West Nyack, N. Y.—Kretschmar Bros., carnation house 35 x 200 feet.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Holds Glass Firmly
See the Point **PEERLESS**
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

DREER'S

Florist Specialties
KEYSTONE CEDAR
PLANT TUBS



Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00
B 12 1/2 "	.75	8.25	65.00
C 13 1/2 "	.85	9.35	75.00
D 14 1/2 "	1.00	11.00	90.00
E 15 1/2 "	1.25	13.75	110.00
F 16 1/2 "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUB

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2 1/2 " " 5.25	120 7 " " 4.80
1500 2 3/4 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
456 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
200 5 1/2 " " 1.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets Lawn Vases, etc. Ten per cent off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N.Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY

FOR OUR

Florist' Red Pots

is prepared by passing

through a screen 1600 meshes

to the square inch. If in a

hurry for pots, order from us.

THE PETERS & REED POTTERY CO.

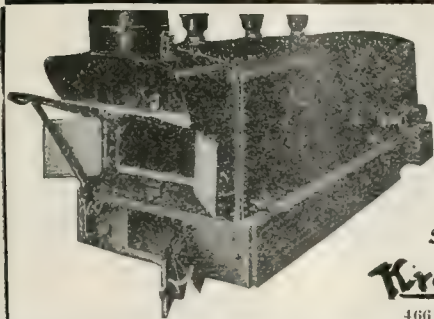
Zanesville, Ohio

STANDARD FLOWER POTS

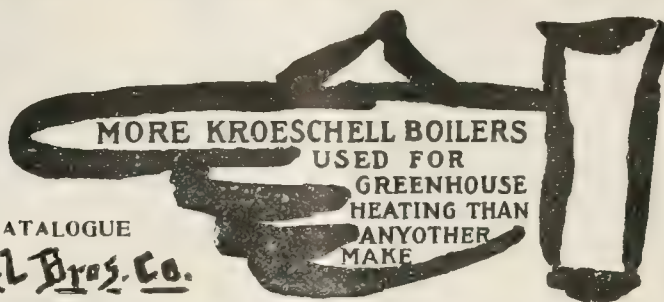
If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.



SEND FOR CATALOGUE
Kroeschell Bros. Co.
 466 W. Erie St., CHICAGO, ILL.



**MORE KROESCHELL BOILERS
 USED FOR
 GREENHOUSE
 HEATING THAN
 ANY OTHER
 MAKE**

GREENHOUSE CONSTRUCTION

IN GREENHOUSE CONSTRUCTION THE NAME KING STANDS FOR THE BEST. OUR IRON FRAME HOUSES ARE AT THE TOP, OUR SEMI IRON FRAME HOUSES CANNOT BE EXCELLED AT PRICE AND QUALITY, AND OUR PRIVATE WORK IS IN A CLASS BY ITSELF.

Get Our Bulletins

KING CONSTRUCTION COMPANY
 North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
 CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
 117 E. Blackhawk St., CHICAGO

LET US QUOTE YOU ON NEW AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
 1392-1414 Metropolitan Ave., Brooklyn, N. Y.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS, GLASS, Etc.

PRIVATE AND CONSERVATORY WORK A SPECIALTY.

The Foley Manufacturing Co.
 Western Ave. and 26th St., CHICAGO

CYPRESS SASH BARS 32 feet or longer HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
 NEPONSET, BOSTON, MASS.

ADVANCE



Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
 RICHMOND, IND.

CHARLES H. DODD

Greenhouse Builder.
 Heating and Ventilating.
 Ideal Greenhouse Boilers.
 Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

The FLORISTS' HALL ASSOCIATION OF AMERICA, Insurer of 32,500,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**



Front View of one of our iron frame ranges erected for Karl Stoeckel, Norfolk, Conn.



Rear view of the same range

SOME DAY YOU WILL BE IN THE MARKET FOR A GREENHOUSE. WHEN THAT DAY COMES, COME TO US.

There is always a best in everything, so why not one of our Iron Frame Houses.

HITCHINGS & COMPANY

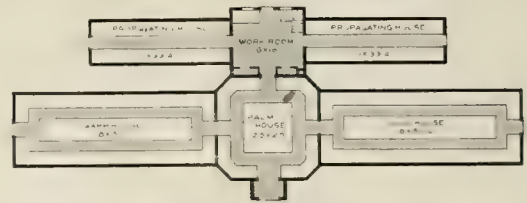
1170 BROADWAY - - - NEW YORK



Plan 101

Davenport Park, Davenport, Iowa, needed propagating houses, so while they were about it, they put up a fine palm house and two curvilinear wings as well. That's a way they have in the West—nothing done by halves. They keep just a little ahead of their real needs. That's why they always seem to be always ready.

Don't put up a house 11 x 25 feet when you ought to have one 18 x 50 feet. The small house costs a lot more in proportion. Get what you ought to have and get it from Lord & Burnham Co. Send for our catalogue.



Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Head Bldg.

Chicago
The Reekery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

HORTICULTURE

Vol. XII. DECEMBER 24, 1910 No. 26



SPECIMEN PLANT OF FANCY LEAVED CALADIUM



DEVOTED TO THE
Florist, Plantsman, Landscape Gardener and Kindred Interests
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1 00



U KNOW US

LET'S KNOW U

XMAS GREETINGS

It is with true appreciation of the confidence placed in us by our ever INCREASING circle of SATISFIED PATRONS, a confidence, we are justly proud of, and which helped to make the past year the GREATEST in our HISTORY, that we wish ONE AND ALL of our Patrons — they are our friends

A MERRY XMAS AND A HAPPY AND PROSPEROUS NEW YEAR

We shall endeavor to deserve their confidence in the coming year as we have in years gone by, and make it to their interest to place their orders with "The House that never disappoints."

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO.,

1220 Race Street,
PHILA., PA.

Manufacturers—Importers—Originators

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

SANDER, St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and
Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Greatest quantity and variety in the country
Established and freshly imported. Also ma-
terial in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS

RUTHERFORD, N. J.

Our Catalogue For 1911

Will be ready in a few days.
If your name is not on our
list, send us a postal card,
and we will be glad to mail
you a copy.

A. N. PIERSON, Inc.
CROMWELL, CONN.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

BOSTON FERNS, 2 1/2 inch \$30.00 per 1000.

WHITMANI, 2 1/2 inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

FERNS FOR DISHES

Assorted varieties.

2 in. pots, \$3.50 100; \$30.00 1000.

Cash with order.

FRANK OECHSLIN

1011 Quincy St. — CHICAGO, ILL.

ATTENTION!!!

We have a fine stock of
HEALTHY HOME GROWN BULBS of

LILIUM HANSONI Per 100
A grand lily for border
planting \$25.00

CALLA ELLIOTTIANA
Splendid yellow calla for
forcing 20.00

LYCORIS SQUAMIGERA 10.00
(Amaryllis Halili)

Complete list of German and
Japan Iris and Lilliums will be
mailed on application.

JOHN LEWIS CHILDS

Wholesale Dept. Floral Park, N. Y.

Japan Iris, Syringa Japonica

Lilium Wallacei, Lilium Tenuifolium,
Madeira and Cinnamon Vine,
Gladioli and other bulbs.

Send for Price List.

E. S. MILLER, Wading River, N. Y.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK
LILIES
PLANTS
BAMBOO STAKES

Madison, N. J.

BOBBINK & ATKINS

....World's Choicest Florist and Nursery Products....

RHODODENDRONS.

	Per Doz.
In all bright colors; fine forcing varieties; good value.....	\$9.00, \$12.00, \$15.00, \$18.00
CAMELLIAS. Well budded plants, variety of colors.....	15.00, 18.00, 24.00
ACACIA PARADOXA. Fine plants..	12.00, 18.00, 24.00

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots...	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.....	10.00	
Malus, Flowering Crab.....	15.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in..	4.00	
Aucuba, fine plants, 18-24 in.....	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 214 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

DAHLIA ROOTS

Whole Field Clumps - At \$5.00 per 100 and up, 100 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, - At \$2.00 per 100, \$12.00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

TREES and SHRUBS For Fall Planting

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

Platycodon grandiflorum

The number of ardent admirers of bellflowers is legion. A certain simplicity in their form, a wonderful purity of shade and tint, not to forget the free-flowering habit and excellent lasting qualities as material for filling vases, distinguishes most of the campanulas. This explains the everpresent demand for seeds, plants and cutflowers, both of biennial and perennial species and varieties. But nearly all, and by far the best, campanulas are spring flowering plants. Late arrivals at northern summer resorts see little or nothing of their extraordinary display, for, at the end of June, even here in Maine, the peach-leaved varieties cease flowering, or, at least, show signs that they have passed their prime. It is therefore most fortunate that during July the platycodons begin to open their buds, to remain in flower until the later part of August.

Platycodons are natives of China and Japan. From a thick fleshy rootstock they produce a number of strong upright stalks, reaching a height of from 15 to 25 inches, at their tops well set with buds. The diameter of the fully-developed bells is 2 to 2½ inches and in color they appear in bright deep blue and in white. *Platycodon grandiflorum* ranks among the showiest hardy perennials for border planting and should be considered first in all cases where a choice selection is desired. Their resistant power to the rigidity of our winters is at least as strong as that of the perennial species of campanulas; in longevity they outclass the latter.

Chinese bellflowers, as platycodons are commonly called, require a rich well-drained soil and, throughout the northern states, an open, sunny position. It is essential to leave the young plants at first as much as possible undisturbed, for it takes roots of the common



PLATYCODON GRANDIFLORUM

trade size several years to attain size and strength necessary to produce the magnificent floral displays of old well-established plantations. Under good average care and proper irrigation during dry weather platycodons are bound to become a permanent source of delight to every flower-loving purchaser.

The same may be said of the low-growing form *Platycodon grandiflorum* var. *Mariesi*. Color and size of the bells are similar to the original *grandiflorum*, but the low growth—seven to ten inches—makes this variety a very desirable plant for the rock garden.

Platycodons can be raised from seed sown early in spring or propagated by root cuttings or divisions. Seedlings do not flower until first or second year after sowing.

Richard Rothe

Northeast Harbor, Maine.

Fancy-Leaved Caladiums

(See Cover Illustration.)

A house of fancy-leaved *Caladiums* in different varieties when well grown is a beautiful sight; but single specimen plants have a charm of their own which is well shown in the accompanying picture. To grow specimens one variety to each pot should be used, as mixed specimens do not look well. The bulbs are started singly in small pots, just large enough to admit the bulb, using any ordinary light potting soil. They are then put in a light, warm house, about 65 to 70 degrees at night, until they are well rooted which will be about the time the first leaf is ready to unfold. They are now ready to be put together into specimens, using seed pans for the purpose. Use as many bulbs as the pan will hold comfortably, leaving a little space between each to be filled in with the following compost which should be prepared soon after the bulbs are started: Chopped live sphagnum moss, 3 parts, chopped lumps of good fibrous loam 2 parts, old rotten cow manure 2 parts, sand 1 part.

To this is added a liberal sprinkling of ground bone or some other good chemical fertilizer (Clay's, Shay's or others). Mix the whole together thoroughly and store away until ready to be used. The plants will require a high temperature and lots of water until they stop growing in the fall. They can then be gradually hardened off and will be objects of beauty for a long time. When the leaves begin to turn yellow water is gradually withheld until by the middle of November they are laid on their sides under a bench to dry off in a temperature of 55 to 60 degrees. By starting some bulbs later the season can be greatly prolonged if so desired. The leaves are very useful for cutting. If thrown in a tub of water for 24 hours before they are wanted, they will keep from one to two weeks in good condition.

M. J. Ope

Naugatuck, Conn.

Fruit and Vegetables under Glass

PRUNING VINES

One of three systems is usually used in pruning vines, viz:—the extension system and the short and long spur systems. As the name indicates the former is an extension of the vine each year and has much to recommend it, especially where more than one rod is grown on one root. It is a mistake to think a rooted vine will only carry one rod satisfactorily. It would take a few years to fill up a house if only one or two vines were planted but if this system should be adopted a house could be planted at the usual distance apart—four feet—and the rods removed as the room was required to extend the permanent vine. Where more than one rod can be used to advantage as in the case of a border being insufficient through heating pipes, etc., coming through it, then an extra rod can be utilized to advantage. The main object of the extension system is to have a young rod, or part of one, fruiting each season and also to encourage more root action, by having so many young canes growing up each year. As these are growing quite a distance without a stop it will stimulate the root action and give additional vigor to the whole vine. The greatest example of this method is to be seen at Hampton Court, London, where one vine—a Black Hamburgh—fills a house 30 x 60 ft., producing over 1500 bunches annually.

The short spur is used more than any other and has more to recommend it. Rods are more easily cleaned and an even crop is insured. You lose that unsightly appearance of long spurs and with proper treatment a vine will last for years. When pruning, cut laterals back to two eyes. Should both of these break, the strongest shoot can be retained and the other rubbed off. Prune as soon as leaves have fallen; this gives whatever buds are left time to plump up before starting. The long spur is a repetition of this, with the exception that, when pruning any quantity of eyes are left, the object being to cut back to an extra good eye, which in turn will make a strong growth and sometimes an extra fine bunch. I say "sometimes" as it does not always follow that the best bunch is produced on the strongest wood. I would only recommend this system if a vinery was to be pulled out in a year or two. Nothing can be said greatly in its favor. Short spurs are better all round—cleaner, better shaped, and a good even crop is sure.

EXTENDING THE PEACH SEASON

The increasing popularity of peaches and nectarines grown under glass, makes it necessary for the man who has only one, or perhaps two, houses devoted to them to extend the season as much as possible. A season can be prolonged several weeks by planting varieties which will ripen their fruit consecutively with the same treatment. By so doing a small number of trees can furnish a supply for several weeks. The following, or part, will give a supply for eight or ten weeks.

Cardinal; the earliest nectarine grown, well adapted

for early forcing; ripens its fruit 10 or 12 days before the next named.

Early Rivers; a fine fruit of good size and appearance.

Lord Napier; fine flavor and ships well.

Advance; one of the newer introductions; in some places does not set well.

Pine Apple; an old favorite of good quality, always sure. Milton and Spencer are later ones of good quality.

Duke of York; a peach of recent introduction of fine flavor; one of the earliest.

Peregrine; also new, a reliable cropper; attaining a great color.

Merlin; reliable always.

English Galande; a peach of good size and quality.

Princess of Wales; one of the largest peaches grown.

Thomas Rivers; the best late peach grown under glass.

This list could be added to at length, but these varieties will give a good season.

GREEN PEAS

Seed sown during September will now be cropping. This may not prove a profitable crop, but where room can be found in a cool vegetable house, the luxury will satisfy those who live high. As it is, probably few are in the market. From seed sown now, peas can be gathered the latter part of March. If room can be found a few should be given a trial. Peas are gross feeders and require a good rich soil on the heavy side. A solid bench should be used in preference, as it will keep moister and cooler than a raised one. A night temperature of 45-50 is hot enough with a raise of 10 degrees by day. The medium and dwarf growing varieties should be used, as often head room is scarce. A fair crop can be gathered from such varieties as Sutton's Pioneer, Harbinger and Little Marvel. Sow in double rows 3 ft. apart, if across a narrow bench, but more room will be required if a wide bench is used.

TURNIP TOPS VERSUS SEA KALE

Turnips are sometimes forced in place of sea kale. As to which is best the consumer must judge. Where a quantity of turnips are already stored a few can be brought in and plunged in some light soil and kept in a dark, moist, temperature of 60 to 65. Blanched top growth will soon commence and can be cut the same as sea kale.

CAULIFLOWERS

Cauliflowers sown from now on will have the advantage of a "coming" season. Sow in flats and when large enough, prick off into small pots or flats. Never allow roots to become cramped or pot-bound, as plants never get away after it and only "button in." A temperature of 55 at night suits them. Use a rich soil but green manures should be avoided as it causes club root, etc. Keep well watered when plants are rooted.

George H. Penson

Mr. Penson's next notes will be on Tomatoes for Succession; Cucumbers, Best Varieties for Forcing; Cherries in Pots.

Seasonable Notes on Culture of Florists' Stock

ANTHERICUMS

This plant has a very hardy constitution standing well sudden changes, dryness of air or at the roots, which makes it a valuable plant for the conservatory, window decoration or for vases, baskets, and boxes. As the plants flower they produce a crop of small clusters of leaves along the flowering stems. Cut these off individually with a piece of the stem and insert in the cutting bed where they will root in a very short time. Any large clumps that have been resting under the benches can be broken up so as to fit in 3 or 4-inch pots using any good soil and they will make good plants by next spring. *Anthericum variegatum* and *A. media picta* are both good.

BOUVARDIA CUTTINGS

Pot plants that have been rested and hardened off, can now be cut back and placed in a temperature of from 60 to 65 degrees at night. Give them frequent syringing to cause them to break into new growth for cuttings. When the growths are from 2 to 3 inches they are about in the right condition to propagate. Place these cuttings in a brisk heat in a propagating frame and keep the atmosphere moist and close until they have formed roots, when they should be potted off into 2½ or 3-inch pots, using a good fibrous soil with about one-fourth each of peat and leaf mold and a sprinkling of sand. After potting keep the plants moist and close for a few days and also shaded from the sun. Grow in a minimum temperature of 60 degrees at night with a rise of 70 to 75 during the day. The leading shoots should be topped to ensure a nice bushy habit, and as they grow they should be shifted on until a 6 or 7-inch pot is reached—that is for pot culture.

CARE OF PALMS AND FOLIAGE PLANTS

The majority of palms, ferns, and foliage plants are greatly benefited by a season of partial or absolute rest especially those that are in fair-sized pots. The winter is their natural season of rest in our northern hemisphere. So now is the time when days are short and sunshine at its lowest ebb, to give these plants a short season of rest. This beneficial rest can be brought on by reducing to a minimum temperature suitable to the culture of the various species, and by a judicious diminishing of the usual water supply. The atmosphere should be kept dry so as to retard their growth, which will mean a better growth and more perfect specimens later on. Proper ventilation is very important for palms at all seasons of the year. They should have as much air as possible without causing a draught or sudden falling of the temperature. During the winter months one must be guided entirely by outside weather conditions as no hard and fast rules can be laid down. Cleanliness is a great point in the cultivation of palms and foliage plants. On the first appearance of insect life, immediate steps should be taken for their destruction, and a constant surveillance maintained to stop their spread. Scale is the worst pest that palm growers have to contend with. Sponge the leaves occasionally

with a solution of whale oil soap, one ounce to one gallon of warm water, Aphine, or about a ¾ ounce of fir tree oil to one gallon of water and they will soon disappear. For resting palms the temperature should be kept as near 55 degrees as possible with a rise of 8 to 10 degrees during the day.

CALLAS

These plants will assure fair returns if grown under anything like fair treatment during the winter and spring. When in full growth they love lots of moisture, so should be given a bench, or still better a house, exclusively for themselves. Now when the days are bound to be very cold, necessitating a great amount of fire heat, a sufficient amount of water should be used on the paths and around the house for the prevention of a harsh and dry atmosphere. On all good days give them a syringing after the flowers have been cut. Ventilation should be given on all favorable days to avoid a stagnant or too muggy humidity. When a batch of callas are in continuous flower they eagerly take up large quantities of plant food from the soil and should have liquid manure regularly once a week and, when spring is nearing, twice a week. In order to bloom well they require a night temperature of from 55 to 60 degrees. Don't fail to fumigate regularly or greenfly and thrips will get ahead of you. About once a week should keep the plants free from their attacks.

DOUBLE PETUNIAS

Stock plants that were kept in cool house for the purpose of propagating should now be brought into a temperature of about 55 degrees at night. Place on a light bench near the glass and syringe daily so as to produce sturdy and short pointed growth. Put in successive lots of cuttings from now on as this is the most favorable season for the increase of stock. Don't let a foot of your propagating bench run idle. When rooted they can be potted into 2½-inch, using any good soil. None of the annuals are easier grown into fine, compact market plants than the petunia. Well-grown plants in 4 or 5-inch pots will make fine flowering stock for early spring sales. They make a very profitable plant as they require a very short time to become salable.

LILIUM SPECIOSUM

For most growers it is a good plan to grow quite a few of these lilies, as they generally bloom at a season when other flowers are scarce, making them very valuable. They can be grown in pots, using four bulbs to a 7-inch pot, five bulbs to an 8-inch pot, and six bulbs to a 9-inch pot. The soil should be a good fibry loam enriched with very well rotted manure, using about a fourth to the bulk of soil. To insure good drainage crock the pots well and pot moderately firm. Before potting see that the soil is in an equably moist state as these lilies want very little water until they have filled the pots with roots. Place under some bench where there is no drip, and where the temperature can be evenly maintained at about 40 degrees, with all the ventilation that you can possibly give. When they have started a couple of inches of growth they should be brought up to the light so as to have them grow along sturdy. The worst enemies of the lily when grown indoors are the aphids. Fumigate frequently—at least once a week.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Adiantum Farleyense*; Care of Young *Cyclamens*; *Dracaenas*; *Gloxinias*; *Oncidium*; *Roses*

HORTICULTURE

VOL. XII

DECEMBER 24, 1910

NO. 26

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

	Page
COVER ILLUSTRATION—Fancy Leaved Caladium.	
PLATYCODON GRANDIFLORUM—Richard Rothe—Illustrated	897
FANCY LEAVED CALADIUMS—M. J. Pope	897
FRUIT AND VEGETABLES UNDER GLASS:	
Pruning Vines—Extending the Peach Season—Green Peas—Turnip Tops vs. Sea Kale—Cauliflowers—George H. Penson	898
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK:	
Anthericums—Bouvardia Cuttings—Care of Palms and Foliage Plants—Callas—Double Petunias—Lilium speciosum—John J. M. Farrell	899
A PEEP AT PETER FISHER'S	901
FURTHER NEWS FROM E. H. WILSON	901
CLUBS AND SOCIETIES:	
Gardeners' and Florists' Club of Boston; Peter M. Miller Portrait—Yonkers Horticultural Society—Morris County Gardeners' and Florists' Society—New Orleans Horticultural Society	902
New Jersey Floricultural Society—Connecticut Horticultural Society—Nassau County Horticultural Society—Society of American Florists	903
Pittsburgh Florists' and Gardeners' Club—Lenox Horticultural Society—American Carnation Society	904
A EUROPEAN CARNATION EXHIBIT—C. Harman Payne—Illustrated	904
OBITUARY:	
J. William Colflesh—Uhei Suzuki—M. Dauthenay—David Flory	906
SEED TRADE:	
The Buist Estate—Notes—Catalogues Received	908
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores	910
To Curb the Curbstone Florists—Flowers by Telegraph	911
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati	913
New York, Philadelphia	915
DURING RECESS:	
New York Bowlers—Cincinnati Bowlers	921
MISCELLANEOUS:	
Appreciates Novelties	901
Publications Received	901
Chicago Notes	904
Philadelphia Notes	908
Personal	911
Incorporated	915
Fire Record	921
News Notes	922
Greenhouses Building or Contemplated	922

allow us to wish them a Merry Christmas. Merry Christmas to the florist means something quite the opposite of what it means to the majority of people. Instead of festivity and relaxation it implies work and hustle. It means throngs of impatient buyers, an abundance of the kind of goods they want and a little army of tireless employees who care no more about sleep or rest than the boss does, until the last order is filled and the last salable plant or flower has been disposed of—after which holiday merry-making isn't "in it" for a moment as compared with the glorious and blessed privilege of going to sleep! This is the sort of Merry Christmas, then, that we hope every one of our florist friends will enjoy.

Not "too
many roses"

It is not easy to follow up to any satisfactory conclusion the proposition that "there are too many new roses," which, as E. G. Hill stated at New York, is a remark frequently heard. It seems to us that so long as it is possible to improve in form, fragrance, color, size, productiveness, or any other of the many points that contribute towards the ideal rose, efforts for such improvement should never be relaxed, and those of us who are not in a position to participate in such work, should at least contribute by extending encouragement and support in whatever direction our opportunity permits. It may be accepted as certain that the absolutely perfect variety will never be produced; there never will be a rose in which improvement is not possible. Why call a halt or say anything to discourage the man who is striving to give us something better? Rose growers will appreciate the communication by J. H. Troy which appears on another page of this paper. It shows the right spirit and expresses the attitude which all progressive dealers should take towards the novelty producers.

The dawn
of a better day

A reader of HORTICULTURE writes us a letter endorsing in the main, our sentiments on the gardener question as expressed in our editorial note of last week under the heading of "Made in America." He declares, however, that in this country we have not yet got to the point where we appreciate a good gardener, and asks very pertinently, "How can you expect a young American, well-educated and ambitious, with the thousands of better opportunities within his reach, to settle down to a gardener's career at the salary even which the best-paid gardeners get?" We agree it is true that a good gardener is not yet properly appreciated in this country and we would go further and assert that he is not appreciated in any other country either—excepting, of course, in a few isolated cases. Conditions here, however, are much more favorable for a successful assertion of one's prerogatives and the exaction of a substantial recognition of merit and attainment, and we do not doubt that the American gardener will in due time find, and if necessary enforce, an open door to all the emoluments his abilities deserve. As the people advance in refinement, and as the attachments and affection grow for attractive homes as contrasted with mere living quarters, the garden and the gardener will become more strongly established as essential to a full enjoyment of life. It is now in order to prepare for the good time coming.

Compliments
of the season

The flower men among HORTICULTURE's patrons will have little time and slight disposition to read trade papers or any other kind of papers this week but we hope they will all just give attention long enough to

A PEEP AT PETER FISHER'S.

Ellis, Mass., is the Mecca of carnation growers and carnation lovers, especially at this season of the year when young claimants for position and honor in the carnation world are putting forth their best effort in bud, blossom and stem, and the records which are to determine their fate are being carefully chronicled from day to day. To this vigorous method of trying out his seedlings and the inexorable rule which discards from consideration any that, after years of rigid trial and comparison do not demonstrate unquestioned superiority to existing varieties may be ascribed much of Peter Fisher's prestige among carnationists the world over. He is never blind to the defects of his own productions—in fact, the defects rather than the good qualities of his seedlings are what he seems to be always most assiduously looking for. Is it any wonder that his record of introductions up to the present time shows not a single failure and that it would be a difficult matter to find a recent introduction either in this country or abroad which has not in its veins more or less of the blood of Peter Fisher's productions? Among the varieties that seem now close to the goal is Benora, a white and crimson pencilled flower in the way of Bradt but of much better build than that variety and astonishingly prolific, so much so that Mr. Fisher does not hesitate to class it among the "bread and butter" class. It has got down nicely to regular working and will in all probability be sent out next year. While on the subject of variegated sorts we might mention here another very beautiful one, now two years old, which if it keeps up to its present record will probably displace Mrs. Paten.

The variety that captivates every visitor, however, is the dazzling scarlet cerise Gorgeous. We say scarlet cerise because we know of no other way to describe the radiant quality which puts this variety in a class by itself as compared with even the brightest of the true cerise type and frees it absolutely from a suspicion of blue in any light. It is now four years old. There are two full benches of it and about all that remains to be determined is the question of returns at the end of this year's trial. If satisfactory in this respect Gorgeous will be given to the world about two years hence. Another very fine true cerise is known thus far as No. 108. There is half a bench of it and it gives every evidence of being a great producer. There are over 1200 one-year seedlings and the house in which these are planted is of engrossing interest. There are some monster whites, plenty of pinks and salmons, and comparatively few reds although in past years reds have been plentiful. There are a few crimson, one of which is a full velvety flower of great beauty. Among the one and two-year stock are seen some reds that outshine even Beacon in the matter of color but one of the chief qualities of Beacon is its constant regularity of blooming and, as carnation growers generally know, there are few varieties that can turn out money value like this prime favorite, so the new claimants will be brought forward very cautiously.

Mr. Fisher calls attention to a peculiarity of the yellow varieties—of which

he has several nice ones—in that when you develop a variety with a good flower the plant is inferior and when a good sturdy plant is obtained the flower is no good. Yellows seem to be forever out of balance. It is noted that, although he has had no yellows on the place for some time, yet there are quite a few of that color among this year's seedlings.

Among the disseminated varieties that are doing well with Mr. Fisher are Enchantress and White Enchantress, both in second crop since fall came in; White Perfection, which, by the way, presents an object lesson in the value of early planting, in the remarkable superiority of a bench planted June 17 over one planted July 30; Winona, which is proving to be a good mid-winter carnation and sells well; May Day, of which it seems impossible to get enough to supply the great demand, and which Mr. Fisher characterizes as just the thing for the grower with a home trade; Winsor, which is producing a tremendous crop; and Pink Delight, the demand for which forces picking before the flower

A New Year's Gift

Should always be something practical and that will retain its usefulness undiminished clear through to the end of the year.

¶ Could you possibly give your friend or employee for the sum of \$1.00 anything that would so well fill the above conditions as a year's subscription for Horticulture?

¶ And please note that \$1.50 will pay for two, your own and one other, for 1911, if sent now.

is fully developed. Left on till finished the bloom is very large and the stem is almost too long. Pink Delight is a great bloomer and fine keeper but a very poor propagator, its peculiar habit of growth making it necessary to cut high on the stem and wait for breaks for cuttings from the stumps.

Mr. Fisher's houses run due north and south. By this plan he gets better and always straight stems and escapes the intense heat in the season when the sun is strong. The houses are 300 ft. long with a cross passage in centre of the range. Part of them are equipped with the Foley ventilator which is much liked, being light and easily worked, the exactness with which a line of heavy lights, 150 ft. in length, are opened being especially noticeable.

ROSE HILDA.

We have had the pleasure of a look at Hilda, a fine shipment of this new rose having been received by Welch Bros., Boston, from Myers & Samtman. It is best described as an improved My Maryland.

FURTHER NEWS FROM E. H. WILSON.

We have received a personal letter under date of October 31, from E. H. Wilson, who is at Changtu, West China, suffering from a badly broken leg, as mentioned in these columns at the time news of the accident was cabled to Professor Sargent. Mr. Wilson says that the doctors hoped, if no relapse should occur, to have him up on crutches about the end of November. The expedition up to the moment of the accident had been remarkably successful. During an overland journey of some 700 miles he had discovered many new and interesting plants, including the tea plant, truly wild and the wild form of the tea rose (*Rosa indica*). He followed up this by another to the northwest of some 300 miles, and on this found a number of different kinds of conifers, all bearing cones in greatest profusion. Among other fine trees he noted was the remains of a giant *Cercidophyllum* fifty-five feet in girth! The camera was in constant use and he added nearly thirty dozen photographs to his stock.

The loss to horticultural science through this deplorable calamity to this noted explorer cannot be estimated. Our readers will all join us, we are sure, in deepest sympathy with Mr. Wilson in the physical suffering he has had to endure and the keen disappointment that such a misfortune must bring.

APPRECIATES NOVELTIES.

Editor HORTICULTURE:

I notice in HORTICULTURE of December 17th an editorial, "An Abuse of Opportunity." I would not disagree with anything Mr. E. G. Hill might say along the lines of roses, but we are all the time on the lookout for novelties. We search all the trade papers every week. We are also on the lookout in this country and in Europe for novelties in plants and flowers, especially roses.

We will gladly pay market prices and express charges for anything new or rare in the plant or flower line. Yours very truly,

J. H. TROY.
New York City.

PUBLICATIONS RECEIVED.

The House of Flowers—Here is a model little pamphlet sent out by J. Breitmeyer's Sons as an advertisement and prospectus. It is a gem in every particular and throws a convincing light on the methods by which this well-known house maintains its supremacy. There are some fine illustrations of decorative work planned and executed by J. Breitmeyer's Sons.

"Golden New England" is the title of a most inspiring and stimulating pamphlet reprinted from The Outlook and distributed by N. W. Harris & Co., Boston bankers. "Golden New England" points out the great natural and commercial advantages which New England enjoys, her vast agricultural resources and the forces which are at work in the great awakening now in progress among the people of this section to the possibilities for industrial advancement and the promotion of local enterprise. New England men everywhere should treat themselves to the pleasure of reading this latest contribution to the literature of the great New England revival.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

There was a very large and appreciative meeting at Horticultural Hall last Tuesday evening to hear William Downs tell of his visit to England and to cast their ballots for officers for the coming year.

Mr. Downs told of the fine greenery he saw everywhere after the drizzly summer they had experienced in England as contrasted with the dried up conditions on this side of the Atlantic. He had considerable to say concerning the vast development of recent years in the growing of narcissi and other bulbs in Lincolnshire, to which hundreds of acres are now devoted. Progress was evident on all sides and although he had posed as a Yankee on this return to his native land he had found much to admire and commend. Among the places visited Joseph Chamberlain's had particularly impressed him. Hybrid orchids had become so bewilderingly numerous that he was convinced that the hybrid would eventually drive the natural species out of sight. The successful use of cow manure on rhododendrons was commented upon. At Westonbirt he had seen tens of thousands of seedling cattleyas and cypripediums and the tangled mass of names for these things was becoming more and more of an impossible problem. At Veitch's 15,000 fruit trees in pots gave some idea of the present rapid growth of the art of fruit growing under glass and, at Rothschild's over 5,000 pots of strawberries were evidences in the same direction. Everywhere he went he found carnations, Lawson, Enchantress, Winsor and other American varieties leading, and had been amused at the efforts made to keep the sun away from the plants, with results that can be imagined. At J. Pierpont Morgan's a house of nerines and the splendid accommodations provided for the workmen were favorably commented upon and at Windsor Castle he was impressed as nowhere else with the great progress in evidence. Here a house of calanthes was the finest he had ever seen and Lorraine begonias, although without any trace of bloom on them in October, were grand. Everything done on an immense scale. Among roses, the best he had seen was Caroline Testout. The R. H. S. Show was a revelation especially in the beauty and finish of the fruit on exhibition. In many things he saw that they were endeavoring to copy American methods, where climatic conditions would permit. Mr. Downs' remarks on the care observed in watering pot plants in England as compared with the rough and ready hose methods followed by some of our American growers brought Fred Palmer to his feet in a defence of the hose and Robt. Cameron as champion of the "pot tapping" method, adding much to the humor of the discussion.

Officers were chosen for the ensuing year as follows: President, Peter M. Miller; vice-president, Thos. Peglar; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, J. P. A. Guérineau, Robert Cameron, William Downs, W. J. Kennedy. Nine new members were admitted.

A. A. Marbroke, of North Beverly,

showed some fine blooms of carnations Enchantress, White Enchantress and Winsor. James Wheeler was represented by a fine vase of White Perfection. Eber Holmes staged for A. N. Pierson some good flowers and a plant in pot of the new Dark Pink Killarney rose which attracted much notice. Duncan Finlayson showed a seedling Cattleya (C. Gaskelliana x Laelia x Xanthina)—a beautifully tinted flower.

It was announced that the January meeting would be Ladies' Night, when installation of officers will be on the program.

YONKERS HORTICULTURAL SOCIETY.

This Society met on December 16th, the principal business transacted being the election of officers for the ensuing year.

On the first ballot for president,



PETER M. MILLER

President-elect Gardeners' and Florists' Club of Boston.

equal votes were cast for two nominees, but upon the ballot being taken again, Lee Whitman was elected by a small majority. Other officers are: vice-president, T. Mahoney; secretary, H. Nichols; corresponding secretary, H. M. Blanche; treasurer, P. Macdonald; executive committee, J. Houghton, F. Drexler, H. Wells, J. Mooney, E. Bunn and E. Bennett. Considerable responsibility devolves upon the dinner committee appointed, as upon their efforts depends the repetition of last year's very successful annual.

Mr. Canning, superintendent for A. Lewisohn, exhibited very fine poinsettias, winning a prize offered by Mr. Melliott. H. M. BLANCHE, Cor. Sec.

The Retail Florists' Association of St. Louis, Mo., held a very interesting meeting on Monday night, Dec. 5th, in Knights of Columbus Hall. All the officers from President Sanders down were on hand. The next meeting of the association will be Monday, Jan. 2d, 1911, when some important matters will come before it.

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

The annual election of officers of Morris County Gardeners' and Florists' Society was held on December 14th with the following results: President, John Downing; vice-president, Robert Tyson; treasurer, Wm. F. Duckham; secretary, Edward Reagan; assistant secretary, R. W. Schultz. Four new members, as is customary each year, were elected to the executive committee which now stands as follows: A. Herrington, Thos. Stokes, Geo. Harvey, C. H. Totty, John Dunn, Wm. Muhlmichel, Ernest Wild, G. F. Neipp, H. B. Vyse, J. C. Elliott, Joseph Manda, David Falconer.

A rising vote of thanks was tendered to the retiring president and many complimentary and congratulatory speeches were made on his successful and able fulfillment of the office. Mr. Stokes responded in a very feeling manner and thanked the officers and members for the kind support they gave him during his term. E. G. Hill, Richmond, Ind., had three vases of new roses. "Sunburst," a grand yellow, had been cut over a week and had been showed in New York, yet every petal was perfect; fine stem and foliage. It was awarded a certificate of merit. "Rose Queen," a beautiful deep pink, looks like a grand acquisition; certificate of merit awarded to it, also. Mrs. Aaron Ward was given a vote of thanks.

Carnation "Princess Charming" was shown by C. H. Totty and very fine it was. Color, light pleasing pink and stem upright four feet, fully able to hold the enormous flower; a fine thing. Seeing is believing. It was certificated last "Carnation Night."

E. R.

NEW ORLEANS HORTICULTURAL SOCIETY.

To make more interesting the monthly meeting of the New Orleans Horticultural Society, Thursday, Dec. 15th, it was decided that each member who could, would bring a sample of his Christmas flowering and foliage plants and cut flowers. The result was a well attended meeting, and a magnificent display of Christmas stock.

J. A. Newsham exhibited splendid well-finished poinsettias, azaleas, Adiantum Farleyense and hybridum, and as usual a fine lot of cattleyas and rare cypripediums in bloom. The Metairie Ridge Nursery Co. exhibited the finest lot of cut roses ever grown in New Orleans; Beauties, Richmond, Rhea Reid, the two Killarneys, Jardine, Smith, Bride and a prize vase of the old Bridesmaid now discarded by most growers, and so well done that they surpassed anything shown in pink, far better than either Killarney or My Maryland by which it has been displaced as the favorite pink rose. Very creditable exhibits were also made by President Richard Eichling, Abele Bros., C. W. Eichling and J. St. Mard.

In view of the fine exhibit made, it was decided at this meeting that a similar display be made at the January meeting. A committee was appointed to select a central location, where the public would be invited to view the exhibits free of any charge.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting of the New Jersey Floricultural Society was held Friday evening, Dec. 9th at Orange. All the old officers were unanimously re-elected. President Albert F. Larson; vice-president Dederick Kindsgrab; treasurer, Walter M. Gray; secretary, William Reid. It was decided to have two classes hereafter in the monthly competition which will be known as "A" and "B." The "B" class will be for the smaller growers. The executive committee will meet on Dec. 17th to arrange for the schedules and prizes for the monthly exhibitions for the coming year. The competition for this year will close at the January meeting. The silver cups will be given to the winners in the various classes at our annual smoker which will be held in February. Eugene VonTombacht was elected to membership and eight other names were put in nomination.

William Reid read a paper on "The Care of Apple Trees." He declared the apple was the king of all fruits and one of the most healthful fruits grown. He recommended the latter part of November and the early part of December as a good time to do the pruning. In old or neglected trees that are full of holes he advised digging out all the decayed wood and filling up with cement, and leaving some of the suckers that grow from the main limbs and cutting out some of the older branches. By doing so the trees get renewed life. He advised spraying for the San Jose Scale in December and March. He said he used Scalecide which was very effective. He recommended scraping all the loose bark off the trees in February, and cutting off the tops of the very high trees, so as to make it more convenient for spraying, thinning and picking the fruit. For poor varieties he advised cutting the tops off and top-grafting better varieties on them in the spring just when the buds begin to swell. For the codling moth he sprays just when the blossoms commence to drop, doing it at least three times, about ten days apart, for later broods, using two lbs. arsenate of lead to 25 gallons of water. Following are the awards of the judges:

Roses—A. B. Jenkins, gard. Albert F. Larson, 93 points; Thos. A. Edison, gard. Frank Drews, 90; S. M. and A. Colgate, gard. William Reid, 90. Carnations—William Reid, 95; Chas. Hathaway, gard. Max Schneider, 85; William Reid (seedling), 80. Begonia Gloire de Lorraine—Wm. Reid, 90. Nephrolepis Schoelzelli—Wm. Reid, 80. Orchids—Lager & Hurrell, 85.

Certificates were awarded to Chas. Hathaway for chrysanthemums, A. B. Jenkins and Thos. A. Edison for roses, Essex County Country Club for carnations and sweet peas. The judges were Chas. W. Ashmead, Malcolm MacRorie and Edward Eeles.

WILLIAM REID, Sec.

CONNECTICUT HORTICULTURAL SOCIETY.

The twenty-second annual meeting of this society convened at Hartford on the 9th instant; and the annual reports of the president, the treasurer, and the secretary, all showed the condition of the organization to be prosperous and healthy. The exchequer, notwithstanding the loss incurred by the rain during the recent chrysanthemum exhibition, contained a balance

to the good of \$173. President Huss reviewed the chief features of the year's work, and his report was quite optimistic. The secretary reported a gradual widening of the influence of the society, and that the membership had now reached the highwater mark of 179, of whom 21 are life members.

The principal result of the gathering was the election of officers for the ensuing year, as follows:

President—John F. Huss, Hartford; first vice-president—J. A. Weber, Hartford; second vice-president—Alex. Cumming, Jr., Hartford; third vice-president—Carl Peterson, West Hartford. County Vice Presidents—Litchfield: Walter Angus, Chapinville; Fairfield: Charles H. Plump, West Redding; Middlesex: Arthur A. Curtis, Deep River; New London: Charles Thos. Bensley, Norwich; Windham: F. M. Smith, Williamantic; Tolland: Chauncey Turney, Rockville; New Haven: John H. Slocombe, New Haven. Treasurer—W. W. Hunt, Hartford; secretary—George W. Smith, Melrose; pomologist—C. H. Sierman, Hartford; botanist—George W. Smith; executive committee—James M. Adams, J. A. Weber, Cuno A. Helfricht and Francis Roulier of Hartford, W. H. Shumway, Berlin.

Our next business meeting would regularly fall on the 23d instant; but it will be postponed for one week, owing to its nearness to Christmas. The society starts on its new fiscal year with very bright prospects. One cheerful augury of the year just closed has been the increasing membership outside of the capital city, now constituting about a third of the total. All of the eight counties are now represented by members. As one of the more than thirty incorporated agricultural organizations of the state, our society will soon receive the annual appropriation of \$200, given as a partial reimbursement for premiums paid.

GEORGE W. SMITH,
Secretary.

Melrose, Conn.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the Society was held in Pembroke Hall, Glen Cove, N. Y., Wednesday, December 14. There was a large attendance. Westbury boys turned out in force, and the meeting was most enthusiastic. Geo. Angier, Supt. to B. Stern, Roslyn, and R. Marshall, Jr., were elected members and three applications for membership received.

Judges for the night were: Messrs. Bertanzel, Johnston and McKenzie and their decision follows: Violets, S. J. Trepass; sweet peas, Paul Reul, who also received honorable mention for a vase of same; poinsettias, J. McDonald. The Hitchings' silver cup was presented to Alex. McKenzie, another proof of his skill in growing chrysanthemums, and the Lord & Burnham gold medal was presented to R. Marshall, for growing roses so well; both prizes were won at our last fall show. A few sprays of stevia, an improvement over the old variety, were shown by Chas. Lenker. S. T. Trepass was the winner for last year's competition, with George Wilson, second.

The following were elected as officers for the coming year: President, S. J. Trepass, Glen Cove; vice-president, Jos. Robinson; treasurer, E. Brown; secretary, John T. Ingram, Oyster Bay; corresponding secretary, O. E. Addor, Roslyn; executive committee, J. Barton, James Holloway, Geo. Ashworth,

W. Gaut, E. Westlake, J. McDonald, J. McQuinn; trustee, J. Everett.

A hearty vote of thanks was given to the officers for their good work and progress during the past year. With a good reserve in bank and a solid membership, the Society may well look forward to an even more prosperous year to come.

OSCAR E. ADDOR, Cor. Sec.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Public notice is hereby given that F. H. De Witt, of Wooster, Ohio, offers for registration the Geraniums described below. Any person objecting to the registrations or to the use of the proposed names, is requested to communicate with the Secretary at once. Failing to receive objection to the registrations, the same will be made three weeks from this date.

Raiser's Description.

Panama—Originated in 1909 by F. H. De Witt, being a cross between Dryden and Pamela. It is a strong grower and much brighter in color than Dryden. The trusses of bloom are very large and have long, stiff stems. Very free in bloom. Single flowers.

White Cloud—Originated in 1909 by F. H. De Witt. It is a cross between Mlle. Anastasie Lecadre and Pamela. Growth of medium height. Clusters large, foliage of medium size. Color pure white. Single flowers.

Ruby—Originated in 1909 by F. H. De Witt. It is a seedling of S. A. Nutt crossed with Pamela. Growth similar to S. A. Nutt. Large clusters on long stems. Color dark currant red suffused with violet. Semi-double flowers.

General Wooster—Originated in 1909 by F. H. De Witt. A seedling of S. A. Nutt crossed with Jean Viaud. Plant of dwarf habit, thick foliage, large trusses borne on heavy, rigid stems. Color rose pink. Semi-double flowers.

Barnaby Rudge—Originated in 1909 by F. H. De Witt. It is a cross between S. A. Nutt and Red Wing. Very strong grower. Free in bloom. Compact trusses. Color rich carmine. Double flowers.

Bright Eyes—Originated in 1909 by F. H. De Witt. A cross between Jules Lametre and Jean Viaud. Of the Cyclops type. Growth dwarf and compact. The florets are very large. The trusses of medium size and freely produced. Color, bright red shading to violet with an unusually large white eye. Single flowers.

As no objections have been filed, public notice is hereby given that the registrations of the Chrysanthemums, "Smith's Advance," "Unaka," "Chrysolora," "Paper White," "Minta," "Morristown," "Oceanic," "Glen Cove," "Lenox," "Tarrytown," "Poughkeepsie," "Madison" and "Dick Witters-taetter," by Elmer D. Smith and Company, Adrian, Mich., becomes complete.

As no objections have been filed, public notice is hereby given that the registration of the Canna, "Olympic," by The Conard & Jones Company, of West Grove, Pa., becomes complete.

H. B. DORNER, Secretary.

December 15, 1910.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The meeting of the club on the 6th was unusually interesting from the fact that at the previous meeting every member had been requested to bring a flower, plant, or something else appertaining to his business. Pennock-Meehan Co., Philadelphia, sent vases of Double Pink Killarney and Melody roses. In the bud there did not seem much difference between the Double Pink Killarney and the ordinary type but as the buds expanded the increased fullness of the flower was noticeable. In color, Melody did not seem an improvement on the old Perle, but it is a very pleasing, attractive flower, and if it proves to be free-blooming, and without the bull-heads of Perle, it has a fine future.

Jno. Featherstone, gardener for H. J. Heinz, showed cyclamens and Begonia Glory of Cincinnati. Jno. W. Jones, Schenley Park Conservatory, also showed Glory of Cincinnati. It was the general opinion that this begonia was a great improvement over the Lorraine and those who are growing it seemed delighted with its vigor and keeping qualities. David Fraser, gardener for H. C. Frick, showed the white Lorraine.

Randolph & McClements showed Adiantum Farleyense, two fine specimens in pots, and said they had a thousand more at their greenhouse—the remarkable thing about the matter being that they were grown and cared for by a boy of 16 in the firm's employ, and it has always been claimed that Farleyense could not be grown in the soot and smoke of Pittsburgh at all. Mushrooms of most appetizing appearance were shown by Frank Crook and Fred Wissenbach, grown from direct pure culture spawn.

The Pittsburg Cut Flower Co. showed a bottle of Odorzone, a liquid preservative. A little of it put in the vases in which flowers are kept seems to keep the water sweet and clean indefinitely. This firm also showed for use of shippers in sending consignments of flowers, a wooden stick with a sharp pointed piece of tin firmly attached to each end, the idea being to lay the stick across the flowers in a box, and if a paste board box the sharp projecting pieces of tin go through the paste board on opposite sides of the box and clamp, holding the flowers firmly in place. If a wooden box the sharp ends are stuck into the wood sufficient to hold. Shippers were delighted with the ease and convenience of this help.

It was voted to extend a cordial invitation to Richard Vincent, Jr., to exhibit his slides of the Holland bulb fields and the Brussels Exposition at some date to be arranged in the future and to make it ladies' night. It was also voted that the subject of the January meeting should be the same as had given so much satisfaction at this meeting; viz., every member to bring a flower or plant or something connected with the florists' business, and talk upon it. H. P. JOSLIN, Sec.

LENOX HORTICULTURAL SOCIETY.

The Lenox (Mass.) Horticultural Society has made application for incorporation and the papers are now being prepared. The Society will seek a capitalization of \$2000 for the purpose

A EUROPEAN CARNATION EXHIBIT



ENGELMANN'S CARNATION EXHIBIT

Paris Autumn Show, November 4-13, 1910.

Although the recent Paris Autumn Show was announced as international, there were not a great many foreign exhibits set up. England was represented by three only, viz.: G. & A. Clark of Dover, W. Wells & Co., of Merstham, and C. Engelmann of Saffron Walden.

On two former occasions this year Mr. Engelmann staged some fine carnations. At Brussels in April and at the Paris Spring Show in May he certainly put up some fine lots. But by far the most imposing and the most artistic group was the one he sent to the Paris Autumn Show (November 4

to 13), and compared favorably with the French growers. The picture accompanying these notes gives a far better idea than anything verbal description can accomplish. For the entire exhibit a large gold medal was awarded and for the dark crimson novelty Carola, which is shown at the farthest end of the exhibit, a silver medal was given. Among the most selling flowers we specially noted Beacon, Scarlet Glow, Alvina, Britannia, Victory, Winsor, White Enchantress, Rose Pink Enchantress, Enchantress, Harlequin, Lucille, Defiance, May Day, Regina, etc. C. HARMAN PAYNE.

of receiving a state bounty which is now paid to societies of this kind which are incorporated. If the Society raise \$2000 it will receive \$400 in bounty from the state. The Lenox growers have done a great deal toward improving horticulture in central Berkshire and their exhibitions are of educational value.

AMERICAN CARNATION SOCIETY.

A. Jablonsky, Olivette, Mo., enters for registration, carnation Variegated Enchantress; Sport from White Enchantress, white with rose pink stripes; Habit same as Enchantress.

J. R. Walling, Keyport, N. Y., enters carnation J. R. Walling; Sport from Enchantress, shell pink with deep markings; habit same as Enchantress.

Both of the above registrations are only provisional, being sports. Blooms must be shown at the next meeting of the A. C. S. to allow the judges to pass upon them, as to their distinctiveness.

A. F. J. BAUR, Secy.

CHICAGO NOTES.

The Outlook for Stock.

Florists who insist that cold weather is necessary for the successful holiday trade find things coming their way. The mercury reached the zero on the 12th and good winter weather continued throughout the week while the last week before Xmas opened with a small but genuine blizzard. Plenty of stock for Christmas is the general prediction, with the possible exception of carnations, and the chances are that the growers will somehow manage to find these if the prices keep up as an-

ticipated. Chrysanthemums are expected to make their farewell appearance before Christmas, but very likely many stray ones will appear at the last moment. The growers claim from three to five month's season this year and predict still longer ones for the near future. Prices have, on the whole, been exceptionally good this year and will result in more vegetable growers going into the chrysanthemum business next year.

Poinsettia plants will not be so numerous by several thousands this year on account of a falling off of the leaves. Some of the large plant growers have lost all of their stock and others find their supply greatly reduced. Various causes are attributed, none of which seem to cover all cases. Cyclamen plants are quite up to previous years and are seen put up in extremely attractive manner in the windows of the retailers. This plant gains in popularity each year, in this market. The berried plants are as popular as ever and besides the home grown, large shipments have been received from the East. Christmas green is coming in sufficiently fast to probably cover all the needs of the market.

Window Displays.

Though all are not completed there are enough nearly so to give evidence that nothing will be lacking in the way of window decorations. Red is the prevailing color as befits the season and the natural red flowers always being so scarce at this time their place is supplied more each season with substitutes of various kinds. This year, possibly the most used will be the pre-

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: *Pteris Mayii*, *Wimsettii*, *Adiantoides*, *Aspidium Tsussimense*, *Crytomium falcatum*, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

pared ferns, many of which are very beautiful. These are seen used with the green ones in fancy baskets or at the base of natural palms or in vases. Red-berried plants are also being much in evidence and a few at least are in every window. Friedman has quantities of large ardisias ranged in tiers on the side of his store with beautiful effect. Mangel has covered his side counters with red velvet and his store is profusely decorated with quantities of velvet poinsettias, mingled with all the novelties to be had. Pussy willows are in many of the windows. At Harry Rowe's a new line of baskets will be filled with azaleas, poinsettias and cyclamens and the reading room at the rear will be used as a show and sales room in connection with the store. A. Lange has received from San Francisco, a shipment of ardisia sprays heavily laden with berries, heather and "Russian violets" which are singles of a deep color and have come through in fine condition. Bohanan has a handsome window done with large branches of prepared beech. All the Huyler and Kohlsach stores were decorated by Lange and it would be

gratifying if this giving of stores to florists for holiday decorations would again become customary. All the retail florists are making preparations for a good trade and it looks now as if they would have it.

Trade News.

On the morning of the 20th the four story building occupied by Barnett Bros., 159 S. Water St., was destroyed by fire. A large amount of holly and mistletoe was lost.

Vaughan & Sperry tried getting holly from California and ordered a ton by way of experiment. The leaves are longer and of lighter color. The berries are of the usual shade but come in sprays from the ends of the twigs. It took well, selling for 30c. per lb. and Mr. Vaughan says he could have sold a carload had he ordered it in time.

A new firm known as A. Henderson & Co., was organized this month and have office room at present with Kyle & Forester, 51 Wabash Ave. The firm consists of Alex. Henderson who is well-known to the trade, having been with Vaughan's Seed Store for fifteen years, and G. M. Reburn who has been with the same firm three years, as traveling salesman, and has already started on the road for his new enterprise. Mr. Henderson will not actively assume his duties till January 1st. This firm will handle seeds, plants and bulbs.

What would become of the association of growers known as the Flower Growers' Market, when the Fairbanks building was completed has been an open question for months. This is a choice location and it has been generally understood that when the rebuilding was completed the rents would be advanced. According to reports generally circulated a number of wholesale florists, either growers or commission men, have been negotiating for the lease. Henry Van Gelder of the Percy Jones Co., claims to have secured a three years' lease last week, the consideration being \$4300 per year, possession to begin May 1st, 1911.

Personal.

G. H. Presser, bookkeeper for Kenicott Bros. Co., is still quite ill at his home at 122 44th St.

Phil Eichling, for many years with Harry Rowe, is back to assist in caring for the holiday trade.

Ben Zaligen finds his business warrants making preparations for opening a retail store after the holiday. The exact location has not been decided

upon. Ben was for six years in Sinner Bros.' wholesale store.

Lester E. Partridge of the firm of Sharp, Partridge & Co., was called to Waukegan, Ill., by the death of his father, C. A. Partridge, on Dec. 13th. He was an old soldier and held an important office in the Illinois G. A. R.

The office of Sergeant-at-Arms was created at the last meeting of the Florists' Club and genial Mike Fink will be the first to hold the office. Mike has never been known to shirk and will make a good officer. His name should have appeared with those of the other new officers.

Visitors.—D. K. Chapman, N. Y.; E. P. Farney, representing Rice & Co., Phila.; A. L. Glaser, Dubuque, Ia.; A. G. Pruyser, representing Westerveer & Klyn, bulb growers, Sassenheim, Holland; Fred Foster, St. Louis, Mo.

Araucarias, Palms and Ferns

No argument needed. You know well who has the best of Araucarias. Even a child has heard of it. We have houses full of the choicest. **JUST LOOK!**

AN ARAUCARIA excelsa, 6-in. pots, 4, 5, and 6 tiers, 20 to 25 inches high, big as an Elephant, for only 75c. As big as a Jumbo for only \$1.00. As big as a Holy Terror for only \$1.25 to \$1.50.

ARAUCARIA robusta compacta, 6-in. pots, to beat the band, just in sizes you are looking for, \$1.25, \$1.50.

ARAUCARIA Excelsa Glauca won't stay behind the others. If you want something right handsome for your customers try either of them. Look! only \$1.25 to \$1.50, worth \$3.00 each.

LATANIA Borbonica, 6 inch pots, 30 inches high, 50c. and 75c.

KENTIA Belmoreana and Forsteriana, 6 and 7 inch pots, 25 to 50 inches high at 75c. and \$1.25, \$1.50 to \$2.00.

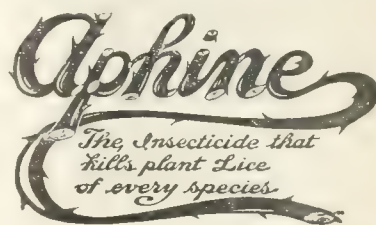
FERNS Nephrolepis, we have three houses full. *Whitmanii*, *Schoelzeli*, *Boston* and *Scottii*, 5½, 6 and 7 inch pots, 40c., 50c. and 75c. One as big as a bushel basket for only \$1.00. *Holly Ferns*, 4 inch, 25c.

Cash with order, please. All goods must travel at purchasers risk.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 West Ontario St., Philadelphia, Pa.



Messrs. Scott Brothers, Elmsford, N. Y., say "Aphine is an effective and easily applied spraying remedy for insects of all kinds, in which we have absolute confidence. We dipped all our cuttings in this insecticide last year before putting them in the cutting bench and again before putting into first pots, and we were never free from insects of all kinds, particularly those troublesome little thrips on chrysanthemums. It is an effective remedy for scale on palms, crotons, etc."

\$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible fungicide for mildew and other fungus diseases. Particularly adapted for greenhouse purposes. A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon — 75c per quart

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

ROSE QUEEN (H. T.)

This charming new pink rose is considered by all who have seen it as

The Best Pink Forcing Rose Now in Existence

Scored 90 points before the New York Florists' Club, being the highest award ever made a rose exhibited before this committee.

Better than Killarney in Color and More Double

Does not fade, and an excellent keeper. Fine grower and easily handled. Let us book your order now.

Ready March 1st. 50c each, \$35.00 per 100, \$300.00 per 1000. \$5.00 per 100 additional for grafts.

THE E. G. HILL COMPANY
Richmond, Ind.

Obituary.

J. William Colflesh.

Big, modest, good natured, honest "Bill" Colflesh—a familiar figure in the horticultural life of Philadelphia for a lifetime—has gone to his reward. He died at the Presbyterian Hospital on Thursday, the 15th inst. The Florists' Club called a special meeting for Friday, the 16th inst., after an operation for an internal trouble. The Florists' Club called a special meeting for Friday at which appropriate resolutions were passed, and all members of the club were notified to attend the funeral on Monday, the 19th. The club voted an appropriation also for a floral offering bearing the emblem of the association. Mr. Colflesh was an honored officer of the club, having been a charter member and its treasurer for many years. He was highly respected by everybody, and the news of his death will come as a distinct shock to his friends in all parts of the country.

He was a good plantsman and had an enviable reputation for the quality of the foliage and flowering plants which he produced year in and year out for the trade. He was always careful, painstaking and conscientious; and no man ever got a crooked deal from "Bill" Colflesh. Besides being a good business man, he was also a warm-hearted family man, friend and neighbor. Money was all right, but it was not his God. He had a soul broad enough for the other and higher feelings.

Hearty and wholesouled and true, there were few like him. We knew

him intimately for twenty years, and we loved him—and argued with him—and worried his simplicity with foolish propositions—during all that time. But he was always forgiving and understood! With a full heart, dear Bill, we bid you farewell. From your old friend,—who hopes you can hear him in the celestial realms.

GEORGE C. WATSON.

Resolutions of The Florists' Club of Philadelphia on the death of J. William Colflesh, at a special meeting called for that purpose December 15th, 1910.

Whereas, Our beloved and esteemed fellow member, J. Wm. Colflesh has been taken from us by death; therefore, be it

Resolved, That the members of this club desire to put upon record their sense of loss and to extend to his family their deepest sympathy.

Resolved, That we express our admiration for the splendid character of J. William Colflesh, who was one of the Charter Members of this club and for many years its valued treasurer and always a diligent and faithful worker for the advancement of the club's interests. In his intercourse with the members of the club he was always courteous, kindly and modest and so had endeared himself to us all. He was an ardent worker in horticulture and always willing to do his share to advance the general interest of the cause.

Resolved, That a copy of these resolutions be sent to his family.

Robert Craig, John Westcott, Fred Hahman, Committee.

NOTE—A portrait of Mr. Colflesh appeared in our last week's issue, along with the brief announcement, by wife, of his death, which reached us just as we were going to press. Ed

Uhei Suzuki.

We are pained to learn of the death on November 23, at Yokohama, Japan, of Uhei Suzuki, president of the Yokohama Nursery Company. Mr. Suzuki's

age was 76 years. We do not know that Mr. Suzuki ever visited this country but the trade in general have a pleasant personal acquaintance with the younger Suzukis' who have represented this Japanese house in America and the high standing and probity of Suzuki & Iida—later the Yokohama Nursery Company—is widely known. The sympathy of the American trade will be sincerely extended to their friends in the far-away land on the great loss horticulture sustains in the death of a man so highly regarded.

David Flory.

Logansport, Ind., December 15.—David Flory, age ninety, died Dec. 14 at his home, five miles east of Logansport, Ind. Mr. Flory was the originator of the famous Winter Banana apple and several strawberries and blackberries. The latter part of his life was devoted to horticultural experiments. Mr. Flory was born in Montgomery County, Ohio, in 1820, and came to Logansport when only twenty-one years old. He worked at the cooper trade for a number of years and then engaged in the fruit growing business. He is survived by six sons.

M. Dauthenay.

It is with regret that we announce the death of M. Henri Dauthenay, an old French friend of some year's standing. He was a horticultural writer of repute and the author of several books, notably one on the Pelargonium. It was under his able editorship that the well-known color chart, "Repertoire de Couleurs," was published five years ago. At the time of his death he was secretary of the Roseraie de l'Hay.

A Grand New Carnation BRIGHT SPOT

Outclasses everything heretofore grown in the dark pink class.

Won first honors in the 100 class for best dark pink at the A. C. S. Meeting, Pittsburgh, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure bright dark pink of even shade, size $3\frac{1}{2}$ inches, an early and continuous bloomer, brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, \$12.00; price per 1000, \$100.00; price per 5000, \$400.00; 25 at 100, 250 at 1000 rates. Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
Wisconsin

Potted Lilacs for Forcing

Marie Legraye, Ludwig Spaeth, Mad. Casimir Perier, President Grevy, Michael Buchner, Madam Lemoine, Charles X.

ALL POT GROWN BUSHY PLANTS \$1.00 EACH; \$9.00 PER DOZ.

PYRAMIDAL BOX, $2\frac{1}{2}$ to 3 ft.....	Each \$1.50	Pair \$2.50
" " $3\frac{1}{2}$ ft.....	" 2.00	" 3.50
" " 4 ft.....	" 2.75	" 5.00
" " 5 ft.....	" 3.50	" 6.50

If in green tubs, 25 cents extra.

The New England Nurseries, Inc.
Bedford, Mass.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Mums--Mums--Mums

What Kinds

ALL THE BEST NOVELTIES AND THEN SOME, also a complete list of good COMMERCIAL kinds, Singles, Anemones and Pompons. Also the newest strain in Asters known, PEEPERIES, WHITE and LIGHT PINK.

*Catalogue Now Ready
Write for Copy*

Elmer D. Smith & Co.
ADRIAN, MICH.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

*In ordering goods please add 1 "saw
it in HORTICULTURE."*

CYCLAMEN

Just right for Xmas at a low price: 3 in., \$8.00 per 100; 4 in., \$12.00 per 100; 5 in., \$20.00 and \$25.00 per 100, bud and bloom. Also Ferns, Asparagus plant, nan.
CONVERSE GREENHOUSES Webster, Mass.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

¶ The alimentary canal in man is thirty-two feet long and only the first three inches you control. It is a very small proportion but a very important part. The man who knows how to manage his tongue well is a valuable man. Get the the habit of self-control smile and let the others talk. He who attends to his own business has no time to attend to the business of others. The man who tears down reputations always gets most of the dirt himself.

¶ The best Horseshoe Brand salesman is Horseshoe Brand Products. They will satisfy the most critical. There are reasons and good ones, why Horseshoe Brand bulbs are of superior quality—ask the man who grows them. All varieties ready for immediate or later delivery at reasonable prices.

Write Us



NEED H.W. COOK
BUT THEY GROW

Ralph M. Ward & Co.

12 West Broadway
NEW YORK

Seed Trade

The Buist Estate.

The will of the late Robert Buist was probated on the 19th inst. The bulk of the estate is left in trust to his granddaughter. The executors are Harry C. Stahler and the Fidelity Trust Co. The reversion is to the Robert Buist Co. The company is a corporation of which the present heads are: Harry C. Stahler, E. J. Flood and Alfred Kochersperger. Bequests of various kinds are made; among them being \$500 to Chas. Ramage and \$1000 to Miss Lilian Innsley, employees at the seed store. Mr. Buist is reputed to have been a millionaire; but the will for probate purposes is stated as \$100,000 and upwards.

Notes.

Santa Ana, Calif.—The Haven Seed Co. has changed from Lodi to Santa Ana.

Cassville, Mo.—The building occupied by the Cassville Produce & Seed Co. was destroyed by fire Dec. 6th; no insurance.

Shenandoah, Ia.—The Shenandoah Seed Co., incorporated, capital stock \$10,000. Incorporators, Henry Field and H. E. Eaton.

Moulton, Ia.—A. C. Croft Seed Co., incorporated, capital stock \$10,000. A. C. Croft, president; Sam Richardson, vice-president, and E. L. Stickney, secretary and treasurer.

Monticello, Fla.—The Jefferson County Seed Co., R. L. McCall president, and G. C. McCall Secretary and treasurer, has been organized here. They will grow watermelon seed for the trade only.

CATALOGUES RECEIVED.

H. F. Michell Co., Philadelphia, Pa.—Wholesale Price List for Florists and Market Gardeners. Mailed to the trade only and every one in the trade should have a copy.

W. W. Barnard Co., Chicago, Ill.—Christmas Decorations, Yuletide 1910. Printed in green and red, a most enticing little publication that surely will sell the goods.

W. Atlee Burpee & Co., Philadelphia.—Choice New Sweet Peas for 1911, and Burpee Quality Wholesale Seed List for 1911. Nothing better in the country or out of it.

John Lewis Childs, Flowerfield, L. I., N. Y.—Trade Price List of Gladioli for 1911. Also includes other summer-flowering bulbs for which this establishment is headquarters. Illustrated.

F. E. Conine Nursery Co., Stratford, Conn.—Catalogue of Nursery Stock for Fall 1910 and Spring 1911. A very complete list, freely illustrated. Full of good material for the landscape gardener.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—"Vincent's Geraniums," 1911. This is practically an album of handsome full-page portraits of new and desirable zonal pelargoniums, of which this house makes a specialty. A wholesale pricelist of all the 1909 and 1910 novelties is included.

A. T. Boddington, New York City.—Boddington's Garden Guide. Good as ever and better if that is possible. The full-page plates of sweet-peas, petunias, etc., are particularly fine. The cover design is by Harry A. Bunyard, a delicate treatment in pale green and



**The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS**

STOCKS	Tr. pkt. Oz.	BEGONIA GRACILIS	Tr. Pkt.
Beauty of Nice, pink,	50c \$2.00	Rosea, pink,	\$0.30
Queen Alexandra, lavender,	50c \$2.00	Luminosa, scarlet,	0.40
Victoria, pure white,	50c \$2.00	Alba, white,	0.30

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co.,
518 Market St.,
PHILA., - - PA.

lavender grey outlined in silver. An up-to-date production all through.

PHILADELPHIA NOTES.

The funeral of the late Robert Buist, Jr., was largely attended on the 16th inst., by prominent social and business representatives in this city. Among the honorary pall bearers were W. Atlee Burpee, Alexander Forbes, Howard M. Earl and Henry F. Michell.

Walter F. Fancourt of the National Farm School never loses an opportunity in his lectures to dilate on the dignity of labor. He always impresses on his pupils that they are "horny-handed sons of toil," and makes them fulfill that dictum to the letter. He is producing fine crops with those green boys.

The Flora Gardens at North Wales had the following distinguished visitors on the 15th inst., under guidance of Samuel S. Pennock: Charles H. Totty, Robert Simpson and Chas. Weben, representing the awards committee of the New York Florists' Club. On their return to Philadelphia they met Wm. Duckham, Harry Turner and other congenial friends at a luncheon at Dooner's Hotel.

M. Rice & Co. report that they have had the largest season's business in their history and that everyone from the heads of the house down to the errand boys are rejoicing in this great success. All orders have been filled promptly, although it has taken night and day work of all hands to do it. But the enthusiasm of the force is so great that all this extra exertion came willingly and proudly. It takes executive ability of a high order to inspire this spirit in the personnel of any establishment.

William Colflesh, who passed away on the 15th inst., was buried at Kingessing on the 19th. The last rites were taken part in by a large delegation from the Florists' Club and other bodies, from his late residence. Beautiful floral emblems—including that of the Florists' Club—of which he was a charter member, and for many years treasurer, graced the obsequies. The large attendance was a splendid tribute to the love and esteem in which the deceased was held by his brother tradesmen and neighbors.

If you can show me a better piece of

one color half-tone than Dreer's Pacific Rose List frontispiece I'll take my hat off. There is depth, form, suggestiveness of the finest kind in this. Even the various gradations of color are suggested if that were possible, and it is. The best flower in the picture is Lady Ashton so far as the picture goes but when one begins to analyze—the Konigin Carola finally looms up as the greatest in the five great roses represented, a wonderful flower. But of course they are all wonderful and no mistake can be made in ordering them all.

Professor G. W. Gregge of State College, Pa., will be the lecturer at the Michell seed store Dec. 27th at 11 a. m. The subject will be "March Gardening" and will be illustrated with exhibits of the more important adjuncts in the mechanical development of this industry—such as cold frames, hot beds, etc. This series has created much attention among horticulturists in this section and we feel sure Professor Gregge will receive a cordial welcome. The Michell firm, under the skillful piloting of Henry F. Michell, the head of the house, aided by an able staff, deserves credit for broadening out the functions of the modern seed store, and for making it more useful than ever to the general public.

Visitors: D. McKenzie of John Scott's, Brooklyn, N. Y.; Louis Schmutz, Flatbush, N. Y.; Walter Fancourt, National Farm School, Doylestown, Pa.; Charles L. Seybold, Baltimore, Md.; Wm. Kleinheinz, Ogontz, Pa.; Mayberg & Hoover, Washington, D. C. GEO. C. WATSON.

BURLAP MATS

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS.
42 Vesey St., New York.

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" " 60c.;	" 4.00
Crimson	" " 60c.;	" 4.00
Canary Yellow	" " 60c.;	" 4.00
Dark Blue	" " 60c.;	" 4.00
Deep Blood Red	" " 60c.;	" 4.00
Apple Blossom	" " 60c.;	" 4.00
Rose	" " 60c.;	" 4.00
Light Blue	" " 60c.;	" 4.00
Scarlet	" " 60c.;	" 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND

WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-eum, Lilacinum, beautiful lilac, 60c. per 100, \$5.00 per 1000 seeds; Rocco, extra large fringed, 75c. per 100, \$6.00 per 1000 seeds.

VALLEY PIPS

Just In
Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; 1/4-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. Wholesale list now ready.

S. D. WOODRUFF & SONS,

82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Mark t St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Established 1820

**Thorburn's
Bulbs**

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Vel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.62	Red Bird Millet, \$2.75
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWIDE, TURNIP

"LILY OF THE VALLEY PIPS"

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Dec. 12, 1910.

Please take out my Feverfew ad. as I am all sold out, thanks to your paper.
A. E. E. KOCH.

In ordering goods please add "I saw
it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

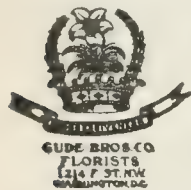
We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

**The Far-Famed Flowers of
TORONTO**

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Blairsville, Pa.—Mrs. E. A. Allen
has gone out of business.

Berkeley, Calif.—Chester Hutchin-
son intends to retire from business
having sold his store.

Nashville, Tenn.—Geny Bros., flor-
ists, have moved from 712 Church
street to 212 Fifth avenue, north.

Newton, Kans.—Miss Mamie Charl-
sen, who has a flower store in the
Emporium, was robbed recently while
out during the day. Examination of
her money drawer showed it empty,
the thief getting away with the money
it contained as well as her purse,
locket and chain.

Detroit, Mich.—Robt. Flowerday,
proprietor of the Detroit Floral Co.,
will have to give room for a new
growth of his neighbor, "Harper Hospi-
tal." This institution has bought
that half block on which Mr. Flower-
day's greenhouses and store are lo-
cated and will add new hospital build-
ings, etc., to the value of \$3,000,000.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Dec. 31

Atlantic Transport.

Minnetonka, N. Y.-London...Dec. 24

Minnehaha, N. Y.-London...Dec. 31

Cunard.

Lusitania, N. Y.-Liverpool...Dec. 28

French.

Chicago, N. Y.-Havre...Dec. 24

La Bretagne, N. Y.-Havre...Dec. 29

Hamburg American.

Pennsylvania, N. Y.-H'm'g...Dec. 24

Holland-American.

Ryndam, N. Y.-Rotterdam...Jan. 3, '11

Leyland.

Devonlan, Boston-Liverpool...Dec. 28

North German Lloyd.

G. Wash'g'n, N. Y.-Br'm'n...Jan. 3, '11

Red Star.

Kroonland, N. Y.-Antwerp...Jan. 4

White Star.

Baltic, N. Y.-Liverpool...Dec. 24

St. Louis, N. Y.-S'hampton...Dec. 31

NEW FLOWER STORES.

Alamosa, Colo.—D. W. Watson.
Toronto, Ont.—Mrs. Walker, Ave-
nue road.

Syracuse, N. Y.—W. E. Day, Onon-
daga Hotel.

San Francisco, Calif.—The Palace
Hotel Florist, Palace Hotel.

Burlington, Iowa.—The Burlington
Flower Co., 216 North 4th street, John
G. Hamelman manager.

Brattleboro, Vt.—A cut flower and
plant department has been added to
the five and ten cent store of G. A.
Gibbs.

INTERNATIONAL FLORAL ASSOCIATION Incorporated, \$50,000.00

1328 Broadway - - New York City

Organized for prompt and efficient service
to all parts of the Civilized World.
TRANSACTS BUSINESS FOR MEMBERS
ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

253 Lake St., Kendallville, Ind.

Standard Goods ^{WITH} A Permanent Value

THAT'S ONE REASON why the Bayersdorfer & Co. Exhibit at Rochester caused so much interest and induced so many heavy orders from the sagacious florists who go to conventions.

NEXT TO QUALITY COMES PRICE. Buying direct from first hands, under personal supervision, gives us the advantage over all others on imported goods and our facilities for manufacturing in quantity make us impregnable when it comes to home made goods.

Our goods are all fresh and up to date and the novelties have selling merit.

Gold and Silver Filagree Baskets, Imperial China Ware in Vases and Ferneries, Sprays of Prepared Foliage in Autumn Gold and Brown are popular and timely novelties. **They sell at sight.**

Send to us for Fall List. You can't beat it for variety and price.

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

Baltimore, Md.—Charles L. Seybold has resigned from the service of the Park Commission.

Lead, S. Dak.—Phil Ryan is now with T. W. McDonald. He was formerly of New Castle, Pa.

Baltimore, Md.—John Cook and

Mrs. Cook left on Dec. 7th for a winter in Florida and Cuba.

Chicago, Ill.—Viola May Jones, daughter of A. L. Jones, was married Dec. 10th to Robert Leesley, nurseryman.

Harold Blossom and family started from Boston last week for San Diego, Cal., where for a good part of the next three years Mr. Blossom will be employed in the engineering work of laying out the grounds for the proposed exposition, under the direction of Fred. Dawson of Olmsted Bros. Mrs. Blossom is eldest daughter of Jackson Dawson of the Arnold Arboretum.

Visitors in Boston—G. Shand and family, Bar Harbor, Me.; Vernon T. Sherwood, Bar Harbor, Me.

Cincinnati visitors: J. T. Herdegen, Aurora, Ind.; J. A. Kellar, Lexington, Ky.; E. J. Fancourt of the Pennock-Meehan Co., Philadelphia, Pa.

TO CURB THE CURBSTONE FLORISTS.

El Paso florists feel that they have a grievance. They believe the council should protect them against street vendors of California flowers.

"We pay city and county taxes; pay rent the year around, and the money we spend for supplies and labor all help to increase El Paso business," said a local florist.

"The street corner dealers that sell California flowers pay nothing toward the general expense of the city. Every El Paso florist is glad to sell one flower or any number of flowers. It never was left for the street corner men to introduce sales of

less than a dozen. We do not believe that street corner florists should escape a city tax any more than street corner dealers in groceries or hardware." *E. Paso Herald.*

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Louis, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

New York, N. Y.—The Greek-American Florists' Association will hold their fourth annual ball at Grand Central Palace on Wednesday evening, January 18.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665

1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILOR, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3

HEADQUARTERS FOR ROSES

BEAUTIES — RICHMOND — KILLARNEY — MARYLAND

We bend all our efforts to make OURS the best market for buying Roses. By offering only stock that possesses the uttermost in quality and value, we hope to win your business. If you are in the market, place your order with us.

Rooted Carnation Cuttings

Send for our descriptive list of the Wards and other good commercial varieties.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Xmas Quotations	TWIN CITIES Xmas Quotations	PHILA Xmas Quotations	BOSTON Dec. 22
ROSES				
Am. Beauty, Fancy and Special...	80.00 to 100.00	85.00 to 100.00	75.00 to 100.00	50.00 to 75.00
" Extra	60.00 to 80.00	60.00 to 80.00	40.00 to 50.00	25.00 to 40.00
" No. 1	40.00 to 60.00	40.00 to 60.00	20.00 to 30.00	10.00 to 20.00
" Lower grades	30.00 to 40.00	20.00 to 40.00	8.00 to 20.00	6.00 to 8.00
Bride, 'Maid, F. & S.	8.00 to 10.00	10.00 to 15.00	8.00 to 15.00	6.00 to 10.00
" Lower grades	5.00 to 8.00	6.00 to 10.00	4.00 to 8.00	4.00 to 5.00
Killarney, Richmond, Fan, & Sp.	15.00 to 25.00	15.00 to 20.00	15.00 to 20.00	10.00 to 16.00
" Lower grades	6.00 to 10.00	10.00 to 15.00	8.00 to 12.00	4.00 to 6.00
Maryland, Chateauf, Fan, and Sp.	8.00 to 10.00	10.00 to 15.00	10.00 to 15.00	6.00 to 12.00
" Lower grades	5.00 to 8.00	6.00 to 10.00	4.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality...				
" Ordinary	8.00 to 10.00	8.00 to 10.00	5.00 to 10.00	3.00 to 6.00
MISCELLANEOUS				
Cattleyas	100.00 to 120.00	100.00 to 120.00	75.00 to 100.00	50.00 to 75.00
Cypripediums	100.00 to 120.00	100.00 to 120.00	75.00 to 100.00	50.00 to 75.00
Lilacs, Longiflorum	12.00 to 15.00	12.50 to 15.00	10.00 to 15.00	8.00 to 12.00
Lily of the valley	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00	2.00 to 4.00
Violets	1.50 to 2.00	1.50 to 2.00	1.25 to 1.50	.75 to 1.00
Daisies	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00
Snapdragon	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00
Sweet Peas	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	.75 to 1.00
Roman Hyacinths, Paper Whites ..	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Gardenias	40.00 to 50.00	40.00 to 50.00	25.00 to 30.00	20.00 to 30.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.50 to 1.00
Smilax	12.00 to 15.00	12.00 to 15.00	10.00 to 15.00	8.00 to 12.00
Asparagus Plumosus, strings (100) ..	60.00 to 75.00	60.00 to 75.00	50.00 to 60.00	40.00 to 50.00
" " & Green (from h-b) ..	12.00 to 15.00	12.00 to 15.00	10.00 to 15.00	8.00 to 12.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, CHICAGO, ILL. FRESH STOCK

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO - N. Y.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building

28 STATE STREET - - - BOSTON
Telephone, Main 58.

Flower Market Reports.

BOSTON As the situation gradually develops it becomes apparent that the supply of flowers for the Christmas demand in this section will be ample and no necessity for any very radical advance in prices seems likely. The rose growers appear to have taken a very conservative and unprejudiced view of the situation and are not contemplating any hold up of goods or prices such as was customary a few years back. This alone ought to help the cut flower section of the business materially with the public. Violets are being held back and pretty stiff prices are contemplated but the situation will take care of itself when the time comes. As to carnations, there is much speculation up to the present moment and, in the prevalent belief that the supply will not size up to the demand, advance quotations are made only on enhanced figures over regular prices for fancy stock. All other staple flower supplies are in full abundance. Orchids will, of course, hold up in price as the supply is very limited. Plants are grand—much better, we should say, than on any previous Christmas and they give every evidence of making a record run provided weather conditions remain tolerable. The sale of greens of all kinds runs far ahead of anything recorded for previous years.

Advance quotations for Christmas run a little above rates as given in our regular table of prices. Beauty of best grade is quoted up to \$12 per dozen; other roses \$12 to \$25 per 100. Violets \$1.50; Poinsettias \$35 to \$50; Carnations \$6 to \$10. Whether these figures will be maintained will depend greatly upon the weather.

CHICAGO So far as local trade goes it is a case of the lull before the storm. It has been very quiet for the past ten days and those who have a shipping trade have a splendid chance to fill their orders before the home sales are on. Carnations are the only flowers that can be considered scarce and some of those now coming in are giving evidence of having reached the limit of their keeping qualities. As usual there will be a lot of worthless stock placed on the market the two days before Christmas when if shipped a week earlier would have brought good returns. Chrysanthemums of several varieties are still here and some blooms are fine. All kinds of roses are plentiful enough to give shippers opportunity to fill their orders and then have enough for home use. Violets from the East, violets from the West and violets home-grown are competing with each other and demand is less than the supply as might be expected. Orchids continue scarce. Lily of the valley is good but not greatly in demand. All kinds of green sell well and there seems to be plenty of it.

Last week brought no new developments so far as cut flowers were concerned. As is usual, prices are advancing as Christmas draws near. There was just about enough demand to clear out the receipts. The market will be fairly well supplied on all kinds of flowers with the possible exception of carnations, of which there is a de-

Christmas Greetings

We extend most cordial holiday greetings and trust all our friends have had the most prosperous year in their existence.

For New Year's

We are offering a full supply of the choicest stock in: **ROSES, CARNATIONS, ORCHIDS, VALLEY, GARDENIAS** and everything in seasonable cut flowers.

We are especially strong on:

Cut Poinsettias

The main crops of this indispensable holiday item are now in and we can supply in quantity from now on. Splendid well finished flowers in all the grades.

per 100	-	-	-	-	-	\$25.00
"	-	-	-	-	-	30.00
"	-	-	-	-	-	35.00

A Few Extra Large \$40.00 per 100



S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Avenue
EXCLUSIVE FLORISTS RIBBONS AND SUPPLIES

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI Dec. 20		DETROIT Dec. 20		BUFFALO Dec. 20		PITTSBURG Dec. 20	
ROSES								
Am. Beauty, Fan, and Sp.....	35.00	to 50.00	80.00	to 100.00	80.00	to 100.00	40.00	to 50.00
" Extra	30.00	to 35.00	60.00	to 80.00	65.00	to 80.00	25.00	to 35.00
" No. 1	20.00	to 30.00	40.00	to 60.00	40.00	to 65.00	15.00	to 20.00
" Lower grades	8.00	to 20.00	30.00	to 40.00	15.00	to 25.00	6.00	to 10.00
Bride, 'Maid, F. & S.	6.00	to 8.00	8.00	to 10.00	15.00	to 20.00	6.00	to 8.00
" Low. gr.	4.00	to 5.00	5.00	to 8.00	10.00	to 12.00	3.00	to 4.00
Killarney, Richmond, Fan. & Sp.	8.00	to 10.00	15.00	to 25.00	15.00	to 25.00	8.00	to 12.00
" Lower grades	4.00	to 6.00	6.00	to 10.00	10.00	to 15.00	4.00	to 6.00
Maryland, Chatenay, Fan. and Sp.	8.00	to 10.00	8.00	to 10.00	15.00	to 20.00	8.00	to 10.00
" Lower grades	4.00	to 6.00	5.00	to 8.00	10.00	to 15.00	4.00	to 6.00
CARNATIONS, First Quality	4.00	to 5.00	8.00	to 10.00	8.00	to 10.00	.....	to 5.00
" Ordinary	2.00	to 4.00	4.00	to 6.00	5.00	to 6.00	.....	to 4.00
MISCELLANEOUS								
Cattleyas .....	.....	to 50.00	100.00	to 120.00	100.00	to 125.00	.....	to 75.00
Lilies, Longiflorum	10.00	to 12.50	12.00	to 15.00	.....	to 15.00	.....	to 22.00
Lily of the Valley .....	.....	to 4.00	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
Violets .....	.35	to .50	1.50	to 2.00	1.50	to 2.00	.....	to .75
Daisies .....	.....	to 2.00	2.00	to 3.00	.....	to 3.00	.....	to 3.00
Snopdragon	2.00	to 6.00	6.00	to 8.00	.....	to 6.00	6.00	to 8.00
Sweet Peas .....	.....	to .50	1.50	to 2.00	1.00	to 1.50	1.00	to 1.50
Roman Hyacinths, Paper Whites..	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Gardenias .....	.....	to 4.00	4.00	to 50.00	.....	to 50.00	.....	to 50.00
Adiantum .....	.....	to 1.00	.....	to 1.00	1.00	to 1.50	1.00	to 1.50
Smilax	10.00	to 15.00	2.00	to 15.00	50.00	to 60.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	60.00	to 75.00	25.00	to 50.00	30.00	to 50.00
" " & Spren. (100 bchs.)	15.00	to 25.00	30.00	to 40.00	25.00	to 50.00	30.00	to 50.00

cided shortage. Long-stemmed Beauties are in good crop, but the demand runs mostly to medium and short stems. Richmonds, of course, are especial favorites and there are never enough for the Christmas demand. Other roses are in good supply, white sorts being in especially heavy crop.

Killarney is of exceptional quality, quite a few being seen with three-foot stems. Double violets are selling well and are not overabundant. Single violets still remain on the short side of the market. Callas, Roman hyacinths, narcissi and stevia meet with a ready

(Continued on page 915)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

'Phone 2336-3357 Mad. Sq. Greenhouses: Forest Hill, N. J.
KESSLER BROS.
WHOLESALE PLANTSMEN AND FLORISTS
136-138 West 28th Street, NEW YORK

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND.
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 17 1910		First Half of Week beginning Dec. 19 1910	
American Beauty, Fancy and Special.....	\$5.00	to 40.00	25.00	to 40.00
" " Extra.....	15.00	to 25.00	15.00	to 25.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 5.00
Bride, "Field, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Killarney, Richmond, Fancy and Special.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland, Chateau, Fancy and Special.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Carnations, First Quality.....	4.00	to 6.00	4.00	to 6.00
" " Ordinary.....	2.00	to 4.00	2.00	to 4.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1665} Madison Square CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. MOLTZ & CO.
Wholesale Florists
 A. MOLTZ MAURICE L. GLASS
 Coogan Building, 55-57 West 26th Street
 NEW YORK CITY
 Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

REED & KELLER
 122 West 25th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Requisites

BUY
BOSTON
FLOWERS
N. F. McCARTHY & CO.,
 84 Hawley St.
BOSTON'S BEST
HOUSE

MICHIGAN CUT FLOWER
EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH
WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

Flower Market Reports

(Continued from page 913)

sale. Lily of the valley, with the exception of a few days in the early part of the week, was in good supply and cleaned up nicely. Poinsettias have been added to the lot of miscellaneous flowers. A couple of the wholesalers who handle large quantities of poinsettias only have them brought in on orders and in most cases have them delivered direct from the grower to the storeman and find this method of handling them very satisfactory. Smilax, plumosus and sprengeri in good supply with an exceptionally good call for plumosus and sprengeri. The market experienced quite a shortage of bronze galax and boxwood, there being no bronze galax whatever to be had and very little boxwood. A good business is being done by dealers in holly, mistletoe and laurel wreathing. The demand for laurel wreathing is immense and the supply is very limited.

The usual sag preceding the holiday season has hit the New York flower market harder than ever this year. For the past ten days there has been almost no call for flowers of any quality, but the high-grade material has been the hardest to move. The question is not one of price; the goods are simply not wanted. Plants and "greens" of all kinds have had an active market and for the time being all interest in cut bloom seems to have petered out. The prevailing sentiment is that there will be no scarcity of anything for Christmas and that there will be very little incentive for any serious advance in prices, although up to a few days ago a short supply on some staple things seemed unavoidable. The weather of late has been fairly favorable to production. Carnations are not showing promise of any heavy cut, but roses are coming on in great abundance and of violets no doubt there will be an avalanche, the fate of which will be largely settled by the sort of weather Saturday, the 24th, turns out. Waiting and hoping is the order of the day in the wholesale district.

From the 14th to the 19th December, the week preceding the Christmas rush, (which usually starts about the 20th inst.), conditions of the market here were anything but satisfactory. Trading was sluggish in the extreme. There seemed to be none of the usual avenues of outlet in their proper working order. Entertainments were few and far between; there were no debutantes

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 17 1910		First Half of Week beginning Dec. 19 1910	
Cattleyas	5.00	to 100.00	50.00	to 100.00
Cypripediums	8.00	to 10.00	8.00	to 10.00
Lilacs, Longiflorum	8.00	to 12.00	8.00	to 12.00
Lily of the valley	2.00	to 4.00	2.00	to 4.00
Violets	.50	to 1.00	.50	to 1.00
Snapearagon	3.00	to 6.00	3.00	to 6.00
Daisies (per 100 bunches)	.15	to .25	.15	to .25
Sweet Peas	4.00	to 10.00	4.00	to 10.00
Roman Hyacinths, Paper Whites	1.00	to 1.50	1.00	to 1.50
Gardenias	15.00	to 20.00	15.00	to 20.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strigis	20.00	to 30.00	20.00	to 30.00
" & Sorens (too bch)	15.00	to 25.00	15.00	to 25.00

to speak of, and everything else seemed to be in sympathy. On the whole it was a most unsatisfactory week—with plenty of fine stock piling in and no demand for it. But all are hopeful today—on the commencement of Christmas week—and we hope to have a good report to make of next Monday, after the battle is over. There are plenty of fine flowers around, and no scarcity is anticipated, for the grand rush, in any line. You will all know more about it than we do, by the time this appears in print.

Detroit reports probable scarcity of flowers for the holidays, and all the plant growers' stock sold out well in advance.

In addition to the items listed in our regular tables, our Philadelphia correspondent quotes on other cut flower stock for the holidays, as follows: Perle rose \$6 to \$12; Melody rose \$15 to \$25; White Lilac \$10 to \$12; Poinsettias \$25 to \$40; Callas \$25; Bouvardia \$4; Mignonette \$6 to \$8; Alyssum, Stevia, Swainsona 25c. per bunch, Pussy Willows 50c per bunch.

INCORPORATED.

Cleveland, Ohio.—The Floral Homestead Co-operative Co., capital stock \$30,000. C. H. Knight and others incorporators.

Chicago, Ill.—N. C. Moore, Co., wholesale flower growers, capital stock \$2,500. Mary A. Moore, Nellie C. Moore and Ella O'Connor, incorporators.

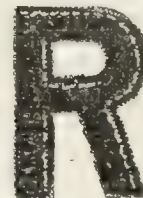


KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.
 1164-66 Greene Av., Brooklyn, N. Y.
 For Sale by all Supply House

THE BEST LETTERS

FOR THOSE
 FLORISTS' MADE
 USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON
 N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses, Southern Smilax, Galax and Leucothoe. Preserved and Fresh Cut Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free. For sale by dealers

SOUTHERN WILD SMILAX

New ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengeri, strong, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

AZALEAS

P. Ouwkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.
J. A. Peterson, Cincinnati, O.
Begonia Glory of Cincinnati.

Begonia Lorraine, 2½ in., twice trans-
planted, \$12.00 per 100; in 500 lots, \$50.00
the 500. Julius Roehrs, Rutherford, N. J.

REN BEGONIAS

My specialty. Largest collection, \$5.00 per
100, \$45.00 per 1000; 250 at 1000 rate.
B. C. BLAKE,
Springfield, Ohio, Lox Box 817.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham,
1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOXWOOD SPRAYS

N. F. McCarthy & Co., Boston, Mass.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron
Frame or Truss Houses. Hot Bed Sash
and Frames. Lord & Burnham Co., 1133
Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N. Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway,
New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds," New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.
E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.
McHutchison & Co., New York, N. Y.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CACTI

CACTI—Over 100 varieties of cacti, from
\$7 per 100 up. Write for 28-page catalogue
and ask for prices to the trade. Also
Mexican Resurrection plants. The Francis
E. Lester Company, Dept. 10, Mesilla
Park, N. M.

CANNAS

Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
BEST CANNAS IN THE WORLD.
Send for our new lists of latest and best
55 kinds. Stock excellent, prices right.
Conard & Jones Co., West Grove, Pa.
CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATION STAPLE

Pillsbury Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
J. D. Thompson Carnation Co., Joliet, Ill.
Carnation Cuttings.
Unrooted Lawson, Red Lawson, Carnegie,
Variegated Lawson, Lloyd, Harlowarden,
\$5.00 per 1000, prepaid. Ehmanns, Corfu,
N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
Send for list of stock plants, single, pom-
pon and standard varieties, \$3.00 per 100.
Ehmanns, Corfu, N. Y.
Herrington's book on the Chrysanthem-
um mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CHRYSANTHEMUM STOCK PLANTS,
all ready now. OCTOBER FROST, GOLD-
EN GLOW, ROSIERE, MONROVIA, \$3.00
per 100; \$20.00 per 1000 assorted. POEHL-
MANN, GOLDEN EAGLE, CHADWICK
and YANOMA \$4.00 per 100; \$30.00 per 1000.
PRES. TAFT, white, MRS. W. E. KEL-
LEY, yellow, both novelties last year, \$5.00
per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early
Snow, Polly Rose, Kalb, Touse, Poehl-
mann, Eaton, Nonin, Baby Margaret, Pa-
cific Supreme, Gloria, Liger, Duckham, M.
F. Plant, Maud Dean, Leo (Pink Pompon),
Shrimpton, Cullingfordii, Golden Glow,
Monrovia, Georgianna Pitcher, Yellow
Eaton, Col. Appleton, Golden Wedding,
etc., \$4.00 per 100; Pres. Taft, Golden King,
Mrs. Kelley, 75c. per doz., \$8.00 per 100;
Mrs. Wm. Wincott (White) and Mrs. Wm.
Peacock (Pink), 1910 Novelties, \$2.00 per
doz. Stafford Floral Co., Stafford Springs,
Conn.

CINERARIAS

Cinerarias, large flowering dwarf, the
finest shades, 3 inch, \$3.50 per 100; 2 inch,
\$2.00 per 100. Cash. J. W. Miller, Shire-
manstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COCOS WEDDELIANA

Henry A. Dreer, Inc., Philadelphia, Pa.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
For page see List of Advertisers.
Coleus, 2½ inch, \$15.00 per 1000. R. C.,
\$4.00 per 1000. Sunnyside Greenhouses,
Barberton, Ohio.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

For List of Advertisers See Page 921

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Converse Greenhouses, Webster, Mass.
For page see List of Advertisers.

John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—"Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the Journals last spring. Cultural directions with every order. Christ. Winterlich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

Holiday Ferns.

3000 Boston and Pierson Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS—Continued

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitmanii, 2½-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2½-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

J. L. Banner, Montezuma, N. C.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GARDENIAS

A. N. Pierson, Cromwell, Conn.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

F. Schell & Co., Lancaster, Pa.

Geranium Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

GLASS

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standarn Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 28th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, Aquarium plants, Castles, globes and all Supplies. Send for catalogue. Auburndale Goldfish Co., 920 Randolph St., Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

Loru & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Peky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION—Continued

- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.
- Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 4 in., \$8.00 per 100; 3 in., \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

INSECTICIDES.

- Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.
- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
For page see List of Advertisers.
- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.
- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
- Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

LEUCOTHOE

J. L. Banner, Montezuma, N. C.

LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.

LILY OF THE VALLEY

J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.
For page see List of Advertisers.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.
Pot Grown Forcing Stock.
For page see List of Advertisers.

NURSERY STOCK—Continued

- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
- Hardy, Northern Grown Stock.
For page see List of Advertisers.
- Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
- Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- BERBERIS THUNBERGII. New clean SEED, \$1.75 per lb.; STRATIFIED, \$1.00 per lb.; CLEMATIS PANICULATA, \$2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.
- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 105.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

J. S. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.
For page see List of Advertisers.
- Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

For List of Advertisers See Page 921

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

McHutchison & Co., New York, N. Y.

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100.
Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.
For page see List of Advertisers.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

RAFFIA

McHutchison & Co., New York, N. Y.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

RESURRECTION PLANTS

RESURRECTION PLANTS—We are
strictly headquarters for the Mexican
resurrection plant, and ship all over the
world. Dormant plants, guaranteed to
"resurrect," \$2 per 100, delivered; \$10 per
1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000
weigh about 45 pounds. Also cacti. The
Francis E. Lester Company, Dept. 9,
Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Peunock-Meehan Co., Philadelphia,
Pa.

For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

For page see List of Advertisers.

Ellwager & Barry, Rochester, N. Y.
Blue Rambler Rose.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

McHutchison & Co., New York, N. Y.

Arthur T. Boddington, New York, N. Y.
Hardy Roses, Ramblers, Baby Ramblers,
Etc.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside
Greenhouses, Barberton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Stock and Begonia Seeds.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.

For page see List of Advertisers.

Arthur T. Boddington, New York.

For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Boston Flower Market Stock.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip

For page see List of Advertisers.

Wm. Elliott & Sons, New York.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
Cyclamen Seed, Extra Valley Pips.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers,
fine plants, mixed and in colors, \$2.00 per
100; \$5.00 for 300. J. C. Schmidt, Bristol,
Pa.

Snapdragon, rooted cuttings, white, light
pink, rose pink, \$2.00 per 100; \$18.00 per
1000. Adolph E. E. Koch, Nobscot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Burrell, Summit, N. J.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25
per 100; \$20.00 per 1000. Williams & Clark,
Muncie, Ind.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VIOLET BLOOMS

Marie Louise Violet Blooms, A No. 1
quality, ready now, \$1.50 per 100. Christ-
mas week, \$1.75 per 100. Cash with order
please. C. Lawritzen, Box 261, Rhinebeck,
N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.

Southern Wild Smilax.

For page see List of Advertisers.

WIREWORLD

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.

For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.

For page see List of Advertisers.

Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.

For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

New York

- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.
- Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.
- Siebrecht & Siebrecht, 136 West 28th St.,
New York.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Richmond, Ind.

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.

CHRISTMAS GREETING.

- S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

MANURE.

- P. Shenahan, E. Watertown, Mass.
For page see List of Advertisers.

ROSE QUEEN, H. T.

- The E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

SEEDS FOR PRESENT PLANTING.

- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

XMAS GREETINGS.

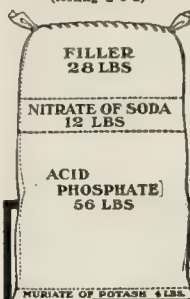
- M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

1911 CATALOGUE.

- A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

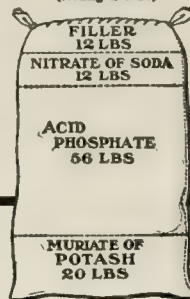
Pasco, Wash.—The Vineland Nurseries Co., which operates in Clarksston and Spokane, has purchased 100 acres of land here for nursery purposes.

700 pounds of an
ordinary Fertilizer
(testing 2-8-2)



Both of these are
called "complete"
fertilizers, but they
are very different.

Well-balanced
Fertilizer
(testing 2-8-10)



If you prefer ready-mixed fertilizers, insist on having enough Potash in them to raise the crop as well as to raise the price. Crops

contain more than three times as much Potash as phosphoric acid.

It was found years ago that the composition of the crop is not a sure guide to the most profitable fertilizer, but it does not take a very smart man to figure out that a well-balanced fertilizer should contain at least as much Potash as Phosphoric acid. Insist on having it so.

If you do not find the brand you want, make one by adding enough Potash to make it right. To increase the Potash 5 per cent., add 10 pounds of Muriate or Sulfate of Potash to each 100 pounds of mixed fertilizer; to increase it 10 per cent., add 20 pounds.

Talk to your dealer and ask him to carry Potash in stock or order it for you. It will pay you both, for

Potash Pays

For particulars and prices write to

GERMAN KALI WORKS

Continental Building, Baltimore
Monadnock Block, Chicago, Ill.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

*green Flies and
Black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs
Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STOOHOFF CO. MOUNT VERNON, N. Y.

NEWS NOTES.

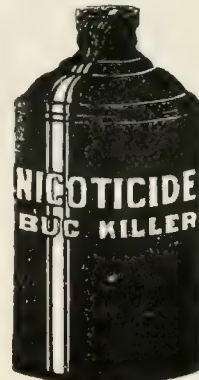
Orange, Mass.—Mr. J. A. Edman is buying extensively of the best varieties of dahlias with a view of growing commercially.

Wm. Briggs has shipped large quantities of fancy and dagger ferns this season.

Alfonso Faneuf's crop of cucumbers is almost ready to begin picking and the vines are showing a healthy and vigorous growth.

W. B. Willard, the sweet pea and aster grower, will add gladioli to his plantings next season.

The Society of Iowa Florists passed resolutions Dec. 14, in their meeting at the state house with the State Horticultural Society, urging the legislature to pass a law making it possible for merchants in Iowa to sell insecticides and fungicides. The present law is such that it is practically impossible for dealers to sell them. At present the florists must send to other states to secure the packages of insect and fungus killing applications. The florists also went on record, through resolutions, in favor of the state publicity bureau.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 9.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St.,
New York. 6

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 15 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. B. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

List of Advertisers

Page	Page
Advance, The Co.923	Intern'tl Floral Association...910
Allen, J. K.....914	Jacobs S. & Sons.923
American Nurseries.....896	Kasting, W. F. Co.....912
Aphine Mfg. Co.905	Kervan Co.....915
Aschmann, G.....905	Kessler Bros.....914
Badgley, Reldel & Meyer.....914	King Cons. Co.923
Barnard, W. Co.909	Krick, W. C.....915
Barrows & Son.....894	Kroeschell Bros. Co.....923
Bayersdorfer, H. & Co.....911	Kuebler, W. H.....915
Bay State Nurseries.....896	Lager & Hurrell.894
Beaven, E. A.....915	Langjahr, A. H.914
Bloomingtondale Bros.....895	Lawrence, H. V.910
Bobbink & Atkins.....896	Leonard Seed Co.909
Boddington, A. T.909	Leuthy, A. & Co.894
Bolgiano, J. & Son.....909	Long, W. H.....910
Boston Florist Letter Co.....915	Lord & Bunham Co.....924
Boston Plate & Window Glass Co.....923	MacMullin, E.....910
Braslan Seed Co.909	Matthews.....910
Breck, J. & Son.909	McCarthy, N. F. Co.....915
Brettmeyer's, J. Sons.....910	McConnell, Alex.910
Bridgeman's Seed Warehouse.....909	McCray Refrigerator Co.....911
Budlong, J. A.....912	McCullough's, J. M. Sons Co.....912
"Buds".....909	McKellar, C. W.912
Burpee, W. A. & Co.....909	McKenzie, J.....895
Buxton, Doane Co.....923	McManus, Jas.....914
Carrillo & Baldwin.....894	Miami Valley Seed Co.....909
Chicago Carnation Co.....895	Michell, H. F. Co.....908
Childs, John Lewis.....894	Michigan Cut Flower Ex.....915
Clarke's, D. Sons.....910	Millang, A.....914
Converse Greenhouses.....907	Millang, Chas.....914
Cowee, W. J.....915	Millang, F.....914
Craig, Robt. Co.907	Miller, E. S.....894
Crawback, G. W.914	Moltz, A. & Co.915
Dards.....910	Moninger, J. C. Co.....923
Dawson, H. S.....896	Moore, Hentz & Nash.....914
Dodd, Chas. H.923	Morse, C. C. & Co.....909
Dorner & Sons Co.....895	Murray, Samuel.910
Dreer, H. A.....922	N. E. Nurseries.907
Dysart, R. J.....912	Niessen, Leo Co.912
Dunlop, John H.910	Oechslein, Frank.894
Eastern Nurseries.....896	Ordenez Bros.....984
Edwards Folding Box Co.....912	Ouwkerk, P.....896
Ellwanger & Barry.....907	Palethorpe, P. R. Co.....920
Elliott's, W. Sons.....908	Palmer, W. J. & Son.....910
Esler, J. G.....923	Park Floral Co.910
Ernest, W. H.....922	Parshelsky Bros.922
Eyres.....910	Pennock-Meehan Co.....913
Farquhar, R. & J. & Co.....907	Perkins St. Nurseries.....894
Foley Mfg. Co.923	Peters & Reed Co.....922
Ford, M. C.....914	Pierison, F. R. Co.....905
Ford, W. P.....914	Pierison, A. N.....894
Fottler, Fiske, Rawson Co.....909	Pierison U-Bar Co.....924
Froment, H. E.....914	Plant Food Co., 20th Century.921
Galvin, Thos. F.911	Poehmann Bros.912
German Kali Works.....920	Pratt, B. G.....920
Gloeckner, Carl R.....909	Redd & Keller.....915
Greater N. Y. Florists' Asso.914	Reinberg, Peter.912
Grey, T. J. Co.909	Rice Bros.....912
Gude Bros. Co.910	Rice, M. & Co.....894
Hall Association.923	Rickards Bros.....909
Hart, Geo. B.....912	Robinson & Co.912
Hartman, Hjalmar.....909	Rock, Wm. L.....910
Heacock, Jos.....896	Roehrs, Julius Co.....894
Herbert.....896	Roland, Thos.....895
Hews, A. H. & Co.....922	Rolker, A. & Sons.....922
Hillinger Bros.922	Sander & Son.....894
Hill, The E. G. Co.....906	Schultz, Jacob.....910
Hitchings & Co.924	Scott, John.....895
Hoerber Bros.....912	Sharp, Partridge Co.....923
Hollywood Garden.....911	Schell, F. & Co.....895
Home Corresp. School.....921	Sheridan, W. F.914
Horan, E. C.....914	Siebrecht & Siebrecht.....914
Hunt, E. H.....920	Siggers & Siggers.....922

Page	Page
Smith, W. & T. Co.....896	Valentine, J. A.910
Smyth, Wm. J.....910	Vicks, Jas. Sons.909
Standard Plate Glass Co.....923	Vincent, R., Jr. & Sons.....895-896
Stearns, A. T. Lumber Co.....923	Wadsworth, B. E.....895
Stoothoff, H. A. Co.....920	Wants, For Sale.921
Stump & Walter Co.....920	Ward, R. M. & Co.....907
Syracuse Pottery Co.....922	Waterer, John & Sons.....896
Tailby.....911	Welch Bros.....912
Thorburn, J. M. & Co.....909	Wilson.....910
Totty, Chas. H.895	Wood Bros.....895
Thurlow's, T. C. Sons, Inc.....896	Woodruff, S. D.....909
Traendly & Schenck.....914	Yokohama Nurseries.....894
Trepel, C. C.....895	Young, A. L.....914
	Young & Nugent.910
	Zinn, J. A.....911
	Ziweifel, Nic.....907

DURING RECESS.

New York Bowlers.

Last Tuesday night

The attendance was light
And Chadwick, the Wonder,
Captured the plunder.

The main prize was a folding pruning knife, contributed by Rickards Bros. For another special prize—also a knife—Kakuda and Manda were tied. Scores for four games were as follows:

Chadwick.....	202	194	212	174
Irwin.....	190	158	189	175
Manda.....	195	184	158	187
Kakuda.....	141	171	123	109
Shaw.....	169	127	124	122
Nugent.....	103	83	88	115
Berry.....	116	137	142	121

Cincinnati Bowlers.

Below are the scores recorded at the tournament played on the evening of December 19.

	1st game	2nd game	Average to date
Al. Sunderbruch.....	151	172	171
C. E. Critchell.....	137	157	171
Ed. Witterstaetter.....	177	175	170
Al. Horning.....	159	147	162
C. Witterstaetter.....	166	156	161
Al. Heckman.....	165	142	155
R. C. Witterstaetter.....	181	179	154
Frank Dellar.....	151	162	149
Leo. Witterstaetter.....	144	165	145
Arthur Becker.....	149	153	151
H. Sunderhans.....	106	136	121
Frank Ball.....	113	123	118
C. Hoffmeister.....	97	138	118
Ed. Bossmeyer.....	146	131	109
Laurence Fritz.....	90	82	109
O. Hoffmeister.....	102	124	108
A. Ostendarp.....	93	84	98

R. C. Witterstaetter won the box of cigars for the highest average in the championship games for the evening.

FIRE RECORD.

Latonia, Ky.—Fire did \$1,000 damage to the greenhouses and a cottage belonging to Thomas Jackson.

Hartford, Conn.—The greenhouse of Robert Marchant, 13 Huntington street, was slightly damaged by fire the morning of Dec. 12th.

Racine, Wis.—The greenhouse of Clark E. Adams, 3009 Washington avenue, was almost completely destroyed by fire, Friday, Dec. 9th. No insurance.

Utica, N. Y.—Fire slightly damaged the greenhouse of Wm. Mathews, York & Warren streets, Dec. 1st. Much damage was done to his stock of carnations.

Minneapolis, Minn.—The burning of the Brunswick Hotel which, caused a loss estimated at \$152,000, damaged

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Bachelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

MANURE

150 cords cow manure yearly. Loaded on B. & M. Special prices on application.

P. SHENAHAN

72 Elm St., East Watertown, Mass.

HELP WANTED

WANTED—To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade. Address Southworth Bros., Beverly, Mass.

SITUATIONS WANTED

PRACTICAL GARDENER, inside or out, requires situation as assistant. English. Best references. Apply A. B. C., care HORTICULTURE.

SITUATION WANTED by German rose grower, experienced in all other lines. Single man, one year in this country. Good references and recommendations from last employer. Apply G. R., care HORTICULTURE.

FOR SALE

FOR SALE

FINE FLOWER STORE AND PROFITABLE BUSINESS, established quarter century, in large city in Maine. First class equipment throughout. Extensive local and shipping trade.

For particulars address

AFFLUENCE, care HORTICULTURE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

the florist store of Oscar E. Amundson, 409 Hennepin avenue, to the extent of \$2,000; fully covered by insurance.

Rhineland, Wis.—The greenhouses owned by Peter Philip, North Brown street were partially destroyed by fire Dec. 1st. The back part of both the greenhouses and the heating plant were destroyed and the greater part of the stock frozen. No insurance.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Princeton, Minn.—W. C. Middlebrook has gone out of business.

Bloomsburg, Pa.—The Davis Greenhouse property has been purchased by W. P. Zehner.

New Kensington, Pa.—The McRae Jenkinson Co. has purchased the greenhouses of I. E. Butler.

Port Monmouth, N. J.—Charles H. Smith lost about \$3,000 by the freezing of 8000 carnation plants.

Providence, R. I.—The greenhouses of Mrs. Gilbert O. Westcott have been purchased by C. H. Andrews.

Clio, Mich.—George Losee has leased the greenhouse of Mrs. Austin Boyer and will continue the business.

Perris, Calif.—H. A. Shiffer, real estate dealer, is preparing to establish a nursery in connection with his other business.

Lancaster, Mass.—Miss Clara Francis has just opened a greenhouse and intends to grow ornamental plants, trees and shrubs.

Bristol, Ind.—Saddler Bros. have bought a 440-acre tract of land in Starke Co., which they will devote to the nursery business.

Waterford Works, N. J.—The greenhouses of Frank Thomas have been purchased by Charles H. Ballier, who will continue the business.

Shiremanstown, Pa.—Mervin S. Etta has purchased the greenhouses of John H. Rupp and will continue the growing of Chinese primroses as a specialty. The seed department will be retained by Mr. Rupp.

Savanna, Ill.—John Lambert has purchased the interest of his father, J. Y. Lambert, in the Savanna Greenhouses and becomes sole proprietor. He intends to move his greenhouses from Sabula to this place in the spring.

Springfield, Mo.—J. S. Butterfield, landscape gardener for the Missouri Pacific, has stated that the company intends to expend over \$1,000 for shrubbery and trees most of which will be planted near the station at Hollister.

Ravenna, Ohio.—The Homer Curtis property on North Freedom street has been purchased by Chappel & Son, Garrettsville, florists, who will take possession about the first of April. Extensive improvements will be made and a business in cut flowers is intended.

Grafton, Mass.—Arthur W. Bostock, formerly of Como, Can., has purchased the Henry J. Knight farm, containing ten acres of land, with nearly new cottage, barn and out-buildings. He takes possession Jan. 1st, and is planning to erect greenhouses and engage in market gardening.

Black Hall, Conn.—Edgar H. Steele

has resigned his position as manager of the Black Hall Greenhouses and is to become manager of the Andrews Estate greenhouses at Elmwood, a suburb of Hartford, Conn. The Black Hall Greenhouses have been leased to F. L. Brown and J. F. Howard. This plant has been famous for the quality of its products. It is quite likely that "Brown & Howard" will continue with the present line of cut flowers, potted stuff and forced vegetables.

GREENHOUSES BUILDING OR CONTEMPLATED.

Marinette, Wis.—George Vatter, addition.

Princeton, Minn.—W. G. Frederick, one house.

Garrettsville, Ohio.—H. J. Alford, one house.

Langhorne, Pa.—Howard Reifsnnyder, one house.

Ridgefield, Conn.—Estate of F. E. Lewis, one house.

Chicago, Ill.—Peterson's Nursery, propagating house.

Indianapolis, Ind.—Hartje & Elder, addition next spring.

Chicago, Ill.—Hoerber Bros., ten 300-foot rose houses, next year.

Portland, Ind.—W. Frank & Sons, three houses, each 31 x 390 feet.

Newton, Mass.—Frederick W. Fletcher, greenhouse and salesroom.

Belvidere, Ill.—B. E. Eldridge, addition of from 90,000 to 130,000 feet of glass.

Marshalltown, Iowa.—The Western Grocer Co. Mills, vegetable house and coldframes.

Owatonna, Minn.—A. J. Skalicky, three rose houses, each 30 x 200 feet, next summer.

Port Ewen, N. Y.—Lafayette Terpening and Samuel Tinnie, violet house in the spring.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Holds Glass Firmly

See the Point AT
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.



DREER'S

Florist specialties.
New Brand New Style,
Hose "RIVERTON"

Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
724 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2" pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2 3/4 " " " 5.25	120 7 " " " 4.80
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 1/2 " " " 5.00	
800 3 3/4 " " " 5.80	
500 4 " " " 4.30	
450 4 1/2 " " " 5.24	
320 5 " " " 4.50	
200 5 1/2 " " " 3.78	
	48 9 in. pots in crate \$3.60
	40 10 " " " 4.80
	24 11 " " " 3.60
	24 12 " " " 3.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc. Ten per cent off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY FOR OUR

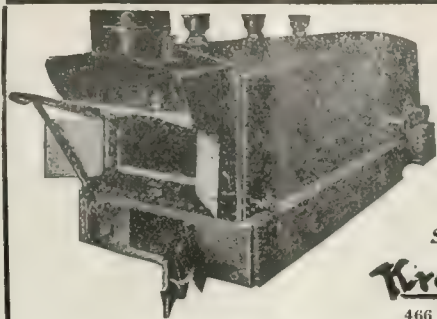
Florists' Red Pots
is prepared by passing
through a screen 600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER POTS

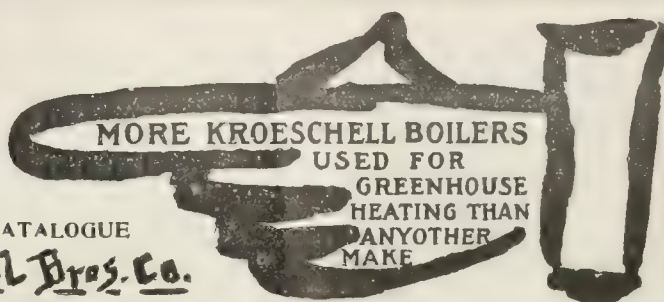
If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.



SEND FOR CATALOGUE
Kroeschell Bros. Co.
 466 W. Erie St., CHICAGO, ILL.



**MORE KROESCHELL BOILERS
 USED FOR
 GREENHOUSE
 HEATING THAN
 ANY OTHER
 MAKE**

GREENHOUSE CONSTRUCTION

WE CAN FURNISH YOU WITH IRON FRAME HOUSES AT REASONABLE PRICES, SEMI-IRON FRAME HOUSES, VERY INEXPENSIVE CONSIDERING THEIR QUALITY, AND OUR PIPE HANGERS, SHELF BRACKETS AND VENTILATING MACHINERY ARE THE LAST WORD IN THAT LINE.

Send for our Bulletins.

KING CONSTRUCTION COMPANY
 North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
 CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
 Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
 117 E. Blackhawk St., CHICAGO

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.
 Est. 1781. BROOKLYN, N. Y.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS, GLASS, Etc.

PRIVATE AND CONSERVATORY WORK A SPECIALTY.

The Foley Manufacturing Co.
 Western Ave. and 26th St., CHICAGO

CYPRESS SASH BARS

32 feet or longer
 HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
 NEPONSET, BOSTON, MASS.

ADVANCE



Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
 RICHMOND, IND.

CHARLES H. DODD

Greenhouse Builder.
 Heating and Ventilating.
 Ideal Greenhouse Boilers.
 Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of \$2,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



PERHAPS YOU ARE ONE OF THE ONES THAT PREFER THE THREE QUARTER SPAN HOUSE. IF SO WE

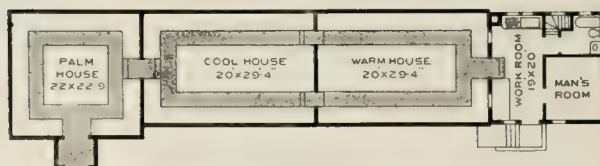
[better build it for you. Not that there is any trick in just building it, but there is a good deal to be said concerning our way of building it, and what we build it of. It's of these things we want to talk to you about. Write. Come and see us — or we will come and see you.

Hitchings & Company
1170 BROADWAY NEW YORK



PLAN 92

Here is where you get an idea of what happens when you give the greenhouse a chance, and locate it carefully and then let us plan a plan that suits that location. The new catalog view shows a good bit more of the grounds and tells you all the particulars of the house. If you haven't a copy — send for it.



Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Head Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

HORTICULTURE

Vol. XII. DECEMBER 31, 1910 No. 27



DRIVEWAY INTO A BAR HARBOR ESTATE



DEVOTED TO THE
Florist, Plantsman, Landscape Gardener and Kindred Interests

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00



GERANIUMS

We are prepared to furnish GERANIUMS in large quantities, for immediate shipment, in the best assortment of standard varieties in the country, from 2 in. pots at \$2.00 per 100, \$18.50 per 1000; 3 in. pots at \$3.00 per 100, \$25.00 per 1000.

We will send 1000, 50 each of 20 distinct double varieties, our selection, from 2 in. pots at \$18.50, 3 in. pots, \$25.00 per 1000, cash.

SPECIAL OFFER For the first week of the New Year, we will send 6000 from 2 in. pots, in 20 Varieties, our selection only, for \$100 cash, for shipment between January 1st and 7th.

GERANIUMS, Silver Leaf S. A. Nutt, Mountain of Snow, Ivy, Variegated Leaved Eleganta, Variegated Rose, Lady Plymouth, 2 in., \$4.00 per 100.

COLEUS, ROOTED CUTTINGS, Golden Bedder, Verschaffeltii, Queen Victoria, etc., 60 cts. per 100, \$5.00 per 1000.

	2 in. per 100.	3 in. per 100.		2 in. per 100.	3 in. per 100.
COLEUS, Brilliancy	\$3.00	\$4.00	FUCHSIA, 6 Kinds	\$2.00	\$3.00
COLEUS, Golden Bedder, Verschaffeltii and other kinds	2.00	3.00	SWAINSONA ALBA	2.00	3.00
LANTANAS, 10 Varieties	2.00	3.00	LEMON VERBENAS	2.00	3.00
HELIOTROPE, Assorted	2.00	3.00	ALTERNANTHERAS, 6 Varieties	2.00	3.00
			TRADESCANTIA, Zebrina Multicolor	2.00	3.00

R. VINCENT, JR. & SONS CO., White Marsh, Md.

WASHINGTON

Dark Pink Sport of
ENCHANTRESS

DO not get this variety confused with the Lawson-Enchantress which we discarded some years ago. Washington-Enchantress differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best crise or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

\$10 per 100; \$20 per 250; \$75 per 1000 C. O. D.

Chicago Carnation Co.

35-37 Randolph St., Chicago, Ill.

CARNATIONS—Rooted Cuttings

We supply them of even size and well rooted. Orders booked now for December and January delivery and later.

	Per 100	Per 1000
WHITE WONDER (Our New White)	\$12.00	\$100.00
GLORIOSA (Our New Pink)	12.00	100.00
PINK DELIGHT	6.00	50.00
SCARLET GLOW	6.00	50.00
SHASTA	6.00	50.00
SANGAMO	6.00	50.00
DOROTHY GORDON	6.00	50.00
J. W. RILEY	6.00	50.00
ADMIRATION	6.00	50.00
GOLDEN RAY	6.00	50.00
WHITE PERFECTION	3.00	25.00
WINONA	3.00	25.00
ENCHANTRESS	3.00	25.00
WHITE ENCHANTRESS	3.00	25.00
ROSE P. ENCHANTRESS	3.00	25.00
BEACON	3.00	25.00

F. DORNER & SONS CO.
LA FAYETTE, IND.

A Grand New Carnation BRIGHT SPOT

Outclasses everything heretofore grown in the dark pink class.

Won first honors in the 100 class for best dark pink at the A. C. S. Meeting, Pittsburgh, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, \$12.00; price per 1000, \$100.00; price per 5000, \$400.00; 25 at 100, 250 at 1000 rates. Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee, Wisconsin

AZALEAS

Six, nine and twelve dollars per dozen.
Pink, white, variegated and red.
Red in small size only.

BEGONIAS.

5 inch 50c; 6 inch 75c; 7 inch \$1.00 each.
Extra fine plants.

CYCLAMEN.

5 inch \$4.00 per dozen Larger plants
\$9.00 and \$2.00 per dozen.

PRIMROSES.

5 inch \$3.00 per dozen.

A FINE LINE OF PYRAMID BOXES
FROM \$3.00 TO \$5.00 PER PAIR.

JOHN MCKENZIE, North Cambridge, Mass.

FERNS FOR DISHES

Assorted varieties,
2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

1911 Quincy St., - CHICAGO, ILL.

GERANIUM CUTTINGS.

Ricard \$12.00 per 1000
Poitevine 12.00 per 1000
Nutt 10.00 per 1000

Cash with order, please.

F. SCHELL & CO.

R. F. D. No. 2, Lancaster, Pa.

GERANIUMS ROOTED CUTTINGS

Ricard, Poitevine, S. A. Nutt, Buchner. Orders
booked for delivery on or before Oct. 15 at \$10 per 1000.

B. E. WADSWORTH, Box 224 DANVILLE, ILL.

CARNATIONS

ROOTED CUTTINGS.

	100	1000
Beacon, Crimson Beauty	\$3.50	
Enchantress, Kingston Pet,		
White Enchantress, Win-		
son	3.00	\$25.00
Lady Bountiful, Pink Law-		
son, Red Lawson, Var.		
Lawson, White Lawson	2.50	20.00

CHRYSANTHEMUMS

ROOTED CUTTINGS.

Fifty fine commercial varieties, \$1.50
and \$2.00 per 100; \$15.00 per 1000.

CANNAS

Thirty fine varieties. Dormant tubers.

Send for list of varieties and prices.

Wood Brothers
FISHKILL, N. Y.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

CHARLES H. TOTTY

Wholesale Florist

(Chrysanthemum Novelties My Specialty)

Madison, N. J.

CYCLAMEN

In fine condition at a low price; 3 in., \$8.00 per 100;
4 in., \$12.00 per 100; 5 in., \$20.00 and \$5.00 per 100,
bud and bloom. Also Ferns, Asparagus plantan.

CONVERSE GREENHOUSES, Webster, Mass.

BOBBINK & ATKINS

...World's Choicest Florist and Nursery Products...

RHODODENDRONS.

	Per Doz.			
In all bright colors; fine forcing varieties; good value.....	\$9.00,	\$12.00,	\$15.00,	\$18.00
CAMELLIAS. Well budded plants, variety of colors.....	15.00,	18.00,	24.00	
ACACIA PARADOXA. Fine plants..	12.00,	18.00,	24.00	

ROSES.

H. P., low budded, 2-year, fine stock for forcing in pots, following varieties, \$15.00 per 100; \$120.00 per 1000.
Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.

	Per doz.	Per 100
Crimson Rambler, home grown, 2-year-old, 2 to 3 ft., well branched, own roots.....	\$2.00	\$12.00
2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
3-year-old, 3 to 4 ft., well branched, own roots...	3.00	15.00
3-year-old, 4 to 5 ft., well branched, budded...	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
Lady Gay, 2-year-old.....		15.00
Baby Rambler, dormant, field grown, selected, budded plants.....		16.00

POT-GROWN FORCING PLANTS.

	Per doz.	Per 100
Azalea Mollis	\$4.50	\$35.00
Deutzia Gracilis	2.00	15.00
Lilac, Charles X, Marie LeGraye, extra size, for 8-9 in. pots.....	10.00	
Malus, Flowering Crab.....	15.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for window boxes, 12-15 in..	4.00	
Aucuba, fine plants, 18-24 in.....	9.00	

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases. 10-12 in., \$20.00 per 100; 12-15 in., \$25.00 per 100; 15-18 in., \$35.00 per 100.

KENTIAS AND BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantities in all sizes.

HARDY HERBACEOUS PLANTS.

We grow a large quantity and variety of these popular Florist plants.

Mail us your list of Nursery wants for quotation. Order early to save heavy express charges; impossible to ship by freight in cold weather.

A visit to our Greenhouses and Nursery will convince you we have the quality that gives satisfaction. We have a fine selection of Nursery Products. Shall be pleased to give special prices on lists.

— ASK FOR WHOLESALE CATALOGUE —

Nurserymen, Florists and Planters, Rutherford, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

Ground Covers

and

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, - MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. O. WERKERK, 214 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

TREES and SHRUBS For Fall Planting

T. C. Thurlow's Sons, Inc
West Newbury, Mass.

Fruit and Vegetables under Glass

TOMATOES

The first batch of tomatoes planted early last fall will now be fast wearing out and if a succession is to be kept up until spring another batch should be sown now and will be ready for planting out in four or five weeks' time. These will keep up a supply until they are ripening outside again. Varieties which grow to perfection in the field do not adapt themselves to forcing, often failing to set a crop, therefore seed of some of the reliable varieties for the purpose should be secured, viz:—Holmes' Supreme, Winter Beauty, (as the name indicates a real winter forcing tomato), Best of All, (a fine large fruit), Eureka, Stirling Castle (a variety which finds favor with some for its medium-sized solid fruits) and Sunrise (a great cropper).

Sow in a pan or flat in light soil and when seedlings are large enough to handle pot into 3-inch and keep them growing. Give a night temperature of 55 to 60 degrees. A tomato must be kept growing right along; a check is fatal. Do not allow them to become pot bound; shift on as soon as nicely rooted through, into 5 or 6-inch, from which they can be planted into the benches. Give plenty of room between the plants—2 ft. x 2 ft. if bench will allow. Overcrowding means loss of foliage later.

CUCUMBERS

Although young growths can be constantly tied in, to take the place of old and worn out vine, and top dressing and stimulants applied to the roots, cucumber plants which have been fruiting since last fall will begin to show signs of old age. The fruits will begin to come smaller and take longer to develop, therefore it will pay to make a sowing right away. Do not figure on removing all your old plants at once or your supply will be gone for three or four weeks.

A cucumber likes the same temperature right along, so young and old plants can grow along together. Sow enough for one half now and when these have commenced to fruit the remaining half can be treated the same. Place one seed in a small pot, using a good light compost. Do not press the soil at all; just drop the seed in pot and after inserting, water in and place in a house having temperature of not less than 70 degrees at night. Pot on into 6-inch and transfer to benches in due course. Make the mound only large enough to cover the ball; this allows for top dressing.

When growing cucumbers too much sun heat is almost impossible, provided other conditions are right, viz:—an abundance of moisture in the atmosphere and a crack of air. If no shading is used, without this moisture in the atmosphere cucumbers refuse to grow. This again is all nullified if night temperature is allowed to drop. Seventy degrees should be the standard, but in severe weather a drop of 2 or 3 degrees will do no damage. If these conditions are not adhered to diseases, such as were mentioned in HORTICULTURE of Dec. 10th, will get a hold and often no amount of persuasion will induce them to "come back."

Cucumbers for growing under glass are vastly differ-

ent from those grown in the field, even more so than tomatoes. Proper varieties grown under suitable conditions attain a length of 1½ to 3 feet and eat with a sweeter and crisper flavor. Telegraph (Improved) is an old standard and still stands the test of an all-rounder. Rochford's Market is another in the same class, but a shorter and thicker fruit, which carries a quantity of spines. Every Day, as the name indicates, is a cropper of no mean ability, a product of the Royal Gardens, Windsor, England; fruits are smaller than the former and almost smooth; splendid for winter work. Peerless and Matchless are newer introductions, attain a good size and color and are good for exhibition purposes.

CHERRIES

In my last notes on Fruit Trees in Pots, I omitted to mention the peculiar characteristics of cherries grown under glass. The chief amongst them is their great dislike to fire heat, shyness to set and dropping of the fruit while stoning. A cherry should be started very gradually. Never use a quantity of fire heat on them; 45 at night is hot enough when they are in flower and should it be very cold, drop a few degrees rather than roast with fire heat. When in flower give all the air possible and shake the trees twice a day in addition to fertilising at noon. The stoning period is critical with all stone fruit and it is often a good policy to relax the temperature a few degrees. Do not hurry in any way. A little lime water twice a week will be beneficial at this stage.

George H. Penson

Mr. Penson's next notes will be on the following: Strawberries in Pots; Varieties of Vines; Potatoes Under Glass; Capsicums; Starting Early Vegetables.

A New Year's Word

Now that we are on the eve of the New Year everyone begins to look forward with increasing interest to the coming seasons. New resolutions are to be made—great things are to be accomplished in 1911—the pace shall be hotter and we must stay the course. This and that shall be grown tip-top, better than ever before. Where we took a defeat this year, 1911 shall see us win out. Quality shall be our motto—the very best shall be ours. This is an age of the survival of the fittest and we must be "fit," otherwise we shall be crowded out.

After regaining our feet after the strenuous times of the holidays our first impulse must be "ahead" as a gardener's thoughts must ever be and then with all the great and good resolutions "nailed to the mast," grip the wheel with a firm hand and send your boat out on the sea of 1911 to ride over, perhaps, some choppy seas or troubled waters, but may all the water we "ship" be a fine spray and all our rocks of trouble be reduced to a "fibre."

A READER OF HORTICULTURE.

Nature Supreme

Our cover illustration shows a driveway in one of Bar Harbor's newest places—the Fabbre Estate. The natural treatment here seen is characteristic of the majority of the estates in Maine's most noted summer resort.

HORTICULTURE

VOL. XII

DECEMBER 31, 1910

NO. 27

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

CONTENTS

Page

COVER ILLUSTRATION—Driveway into a Bar Harbor Estate.	
FRUITS AND VEGETABLES UNDER GLASS—Tomatoes—Cucumbers—Cherries— <i>G. H. Penson</i>	929
A NEW YEAR'S WORD.....	929
NATURE SUPREME.....	929
SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK—Adiantum Farleyense—Young Cyclamens—Dracenas—Gloxinias—Oncidiums—Roses— <i>John J. M. Farrell</i>	931
CLUBS AND SOCIETIES:	
Massachusetts Nurserymen's Association—Ten-Day Horticultural Institute—Missouri Fruit Growers' Institute—National Horticultural Society of France—Massachusetts Horticultural Society—International Horticultural Show.....	932
Newport Horticultural Society—Alabama State Horticultural Society—American Rose Society—American Carnation Society—Turin National Exhibition, 1911— <i>H. E. Philpott</i> , portrait—Notes.....	933
British Societies, <i>W. H. Adsett</i>	934
WAFTED FROM WABAN.....	934
CYPRIPEDIUM X OLIVIA—Illustrated.....	935
OBITUARY:	
W. H. Allen—E. C. Stache—Wm. Kitzerow—Mrs. Peter Mergen.....	936
FLOWER MARKET REPORTS:	
Boston, Chicago, Cincinnati, Washington.....	940
Philadelphia, St. Louis.....	949
New York.....	951
SEED TRADE:	
"A Bird," Found in the Ginger Jar, <i>G. C. Watson</i> —Obligations and Limitations of the Seed Trade—North Dakota State Association of Seedsmen—The Voice of the Charmer.....	944
Notes.....	943
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures—New Flower Stores.....	946
Locating the Trouble, Illustrated—Flowers by Telegraph.....	947
MISCELLANEOUS:	
Maryland Agricultural College.....	934
New Year's Bells—Poetry.....	934
Publications Received.....	935
New French Chrysanthemums <i>C. Harman Payne</i>	935
Chicago Notes.....	936
Philadelphia Notes.....	936
Catalogues Received.....	938
Lime Sulfur Injury— <i>H. H. Whetzel</i>	938
A Presentation.....	942
Incorporated.....	942
Personal.....	947
During Recess.....	957
The First Chrysanthemum.....	957
News Notes Fire Record.....	958
Greenhouses Building or Contemplated.....	958

It dies hard From reports and comments received it appears that some cut flower markets have been acquiring new light on the matter of Christmas values. These good people are,

however, only going through the identical experience that certain others had to face years ago, the facts of which they have after much struggling learned to submit to with resignation. We seem now to have almost reached the point where a man may, without endangering his standing with the flower-growing fraternity, venture to speak out the thought that it is bad tactics to make the occasion of the Christmas holidays a reason for demanding advanced prices for standard cut flower material. The conditions which in the past were responsible for the sudden increase in values at Christmas and Easter no longer exist and the disposition to maintain the prices after the conditions that produced them have ceased has cost the cut flower trade of the country at large an awful penalty in money and public esteem.

Some "seed trials"

If we are to believe what the California newspapers tell us it appears that a most extraordinary distribution of seeds is soon to be made to the people of the golden state. Under the heading "New Varieties will be tried in California Soil" it is announced that Prof. E. J. Wickson, head of the department of Agriculture of the University of California assisted by R. E. Mansell, is preparing to distribute vegetable and flower seeds at a small cost, for trial in California soil, some of them for the first time. The varieties to be given out, it is stated, include "double red opium poppy, Cupid sweet pea, stringless green pod bean, rust proof wax butter bean, French breakfast radish and pepper cress." An impressive array of novelties indeed! It might be proper for us to here express compassion for the people who, it may be assumed, have been deprived for so many years of the enjoyment of these nice things but we'll pass that over out of regard for our California brethren who, we know, are not looking for pity, and simply repeat seriously what has been so often said, that the best course with the seed business is to leave it to the seedsmen to attend to, as they are entirely capable of doing. It seems that when anybody else butts in, the resultant crop is largely nonsense.

The end of 1910

By the time these lines reach the notice of many of our readers, the old year will have passed on and taken its place with the countless numbers of its predecessors, its joys and its sorrows beyond recall, its history forever unalterable. No doubt we can all look back over the record as it applies to each individually, with feelings not all complacent and not all regretful. Success here and misfortune there have been meted out to us and, on the average, 1910 has been not widely different from other years. HORTICULTURE has seen its ups and downs in these twelve months, together with the rest. Some of its aims, confidently reached for, have fallen short; yet the labors of the year are by no means unrequited and we find more to be grateful for than to deplore. In that particular which, more than anything else, is capable of bringing joy to a publication office—the growth of the subscription list—HORTICULTURE has made a new record for itself within the last few months. No one will deny that development of this character founded solely on the score of good reading, is a permanent asset of great value. It is, of course, our earnest hope that the accelerated growth now in evidence will continue unabated. HORTICULTURE's friends can do much to that end by a word of commendation as opportunity permits, now, at the beginning of a new volume. Will you help?

Seasonable Notes on Culture of Florists' Stock

ADIANTUM FARLEYENSE

These plants will stand a temperature up to 70 degrees, but a night temperature of 65 degrees will be found sufficient, as a higher degree of heat is liable to produce a softer, thinner texture to the foliage. From now until March they will stand full light without injury—in fact they are improved greatly in texture by having no shade during this season of the year. Carefully maintain a proper condition of the atmosphere, especially on bright warm days when it is necessary to admit much air, which consequently carries off a great deal of the moisture. This will have to be offset by damping down the floors frequently. A moderate amount of ventilation is necessary for the growth of thrifty plants. During rainy and gloomy weather guard particularly against an over-moist atmosphere. Three points to be considered in growing this fern are: never allow extremes in dryness, heat or moisture. During the next six weeks is a good time to propagate *Adiantum Farleyense*. Fill a bench with clean sand, putting a layer of sphagnum on the bottom first, and filling with sand to the depth of about 3 or 4-inches. Plants that have furnished cut fronds earlier in the season, and are now showing innumerable small fronds are the best to use. They can be divided into pieces large enough for either 2, 2½, or 3-inch pots. These pieces can be inserted in the sand quite close. Give some suitable shade, if house is not already shaded. Keep the temperature of the frame from 70 to 75 degrees, with a nice moist atmosphere. When they have made sufficient roots pot them in a compost of equal proportion of fibrous loam, leaf mold and sand and keep in a temperature of about 70 degrees.

YOUNG CYCLAMENS

Young cyclamens that were sown last August or September should by this time have made three or four leaves and should be now transplanted into other boxes. The soil for this first shift should be very light, sandy and friable—a compost of fresh loam and partly decomposed leaf mold in equal parts with a dash of clean sharp sand added. Make provision for ample drainage. When shifting the seedlings from flat to flat select the ones that have made a stronger and sturdier growth and plant these together in separate flats. Give a constant steady temperature of not less than 65 degrees at night. Raise them up into full light near the glass, in order to prevent them from becoming drawn and weak and keep the atmosphere moderately moist. Good judgment must be exercised in ventilation according to the condition of the weather out of doors. Guard against cold draughts or a too sudden fall in the temperature. On all bright mornings they should be lightly syringed. To keep free of insects fumigate regularly.

DRACAENAS

All plants that are not fit to be grown on, or that are damaged, are good material to use for increase of stock. A special frame is the most convenient place. Fill this frame to the depth of four inches with a mixture of sharp sand and chopped sphagnum in equal parts. Cut the long stems into pieces about 2 or 3 inches long and put in this warm bed, which should be kept moderately moist. To root well they should have a bottom heat of at least from 75 to 80 degrees of heat. When the young shoots have made a growth of from 2 to 3-inches they can be potted up either with the whole piece or cut off

with a small heel attached to each plant. Use a good turfy soil with some leaf mold and a sprinkling of sand. A 3-inch pot is about right for the first potting. Keep in a warm humid atmosphere and gradually expose to full light as they become established. Give a daily syringing except during dull weather.

GLOXINIAS

When the fresh supply of gloxinia seed can be obtained it is better to sow at once than to wait later. Earthenware seed pans are much better than wooden flats. Fill these pans half-full after crocking, with semi-decayed sod, and on this spread a mixture of soil and leaf-mold in equal parts with enough of sand to make it gritty. Sow the seed on this and just press in firmly on the moistened surface; cover with a square of glass, and place near the light in a temperature of from 60 to 65 degrees. In two or three weeks the little plantlets will appear when they should have more light and air. When the seedlings are fit to handle, they can be pricked into other pans or flats, using similar soil. Place near the glass so they will make short sturdy plants. Care is necessary in watering in order to keep them from damping off. As the plants grow and fill their pots with roots they should be shifted along until their flowering pots are reached. Six or 7-inch are the most suitable for growing fine gloxinias.

ONCIDIUMS

All species that have finished flowering such as *varicosum* Rogersii, *splendidum*, *tigrinum*, *ornithorynchum*, etc., delight in a position where they can receive an abundance of light during their resting season. In fact they all do better when suspended as near the glass as possible. It is proper now to provide a drier and more airy atmosphere; it imparts later on a healthier growth, with greater vigor. Give only enough water to sustain them in a plump condition. Most of these orchids can be rested in a cool house when care is observed as to watering. Forty-five to fifty degrees at night with about 10 degrees higher in bright weather during the winter months is about right while they are resting. *Oncidium varicosum*, *splendidum*, *Forbsii* and *tigrinum* all like this cool treatment, but a temperature of about 50 degrees is better for *Oncidium ornithorynchum*.

ROSES

During the short days such as we have now, the houses should have all the air possible. Avoid any careless ventilating or you are sure to cause a dose of mildew. It is a good plan to raise the ventilators a few inches when the temperature gets to 65 degrees, doing it inch by inch so as not cause a too sudden drop, and in the afternoon reduce the air the same way. At this time of the year both watering and syringing should be done very carefully. Examine your beds especially during heavy firing as the tops may have the appearance of being plenty moist, while the bottom may be quite dry. Syringe on every bright day or red spider is bound to become troublesome, especially with *American Beauty*. After a crop has been cut the beds should be kept somewhat on the dry side for a week or ten days so as to increase good root action. This should not be overdone; just keep the beds in a nice mellow condition.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Alocasias*; *Fuchsias*; *Heliotropes*; *Longitropum* Lilies; Propagating *Crotons*; The Propagation of *Dahlias*

CLUBS AND SOCIETIES

MASSACHUSETTS NURSERYMEN'S ASSOCIATION.

The first annual meeting of the Massachusetts Nurserymen's Association was held at Horticultural Hall, Boston, Wednesday, December 7th. The craft was well represented in numbers, nearly all the prominent nurserymen of the state being present. Aside from the excellent address by Dr. H. T. Fernald, of Amherst College, the whole day was spent in the discussion of practical topics. Dr. Fernald spoke on the "Problem and Progress of Nursery Inspection in Massachusetts." He gave a history of nursery inspection in the Commonwealth during the past ten years, showing the development, not only of the inspectors' work, but the large increase of the nursery business within the state during that period. His estimates show something over two millions of dollars now invested in the nursery business in the state. The report of the Secretary-Treasurer shows the association to be in good condition. It was unanimously voted to extend an invitation to the American Association of Nurserymen to hold its annual convention in Boston in June, 1912. J. Woodward Manning, of Reading, J. W. Adams, of Springfield, and W. H. Wyman, of North Abington, were made a committee of invitation.

The following resolutions were adopted on the death of Mr. Wm. B. Whittier, late proprietor of the Framingham Nurseries:

Whereas, In the course of human events, Mr. W. B. Whittier, proprietor of the Framingham Nurseries, South Framingham, Massachusetts, was removed from earthly toll on the twenty-seventh of August last, in the midst of his years; therefore, be it

Resolved, That we, members of the Massachusetts Nurserymen's Association in annual meeting assembled, offer the following resolutions:

First, That we do hereby record the great sorrow and loss which the society has sustained in the sudden demise of so valuable a member, to whom many were personally attached.

Second, We also bear testimony to his ability in his profession; a man of strict integrity and reliability, whose word was as good as his bond, and a congenial fellow craftsman; possessing qualities which all his acquaintances admired.

Third, That we express to his bereaved family our sincere sympathy in the great loss which they have sustained.

Fourth, That these resolutions be spread upon the permanent records of our organization; published in the horticultural papers and the South Framingham News and a copy be sent, by the secretary to the family of the deceased.

(Signed) Theodore F. Borst, Charles R. Fish, A. E. Robinson.

The election of officers for the ensuing year resulted as follows:

President, W. H. Wyman, North Abington; vice-president, Theo. F. Borst, South Framingham; secretary-treasurer, A. E. Robinson, Bedford; executive committee, J. Woodward, Manning, Reading; J. W. Adams, Springfield; Chas. R. Fish, Worcester; Geo. C. Thurlow, West Newbury.

TEN-DAY HORTICULTURAL INSTITUTE.

The Illinois State Horticultural Society, with the co-operation of the Illinois Florists' Association, the Cook

County Truck Growers' Association, the Illinois Outdoor Improvement Association, the Lake Forest Horticultural Society, and the Horticultural Department of the University of Illinois, will hold a ten-day horticultural institute at the University of Illinois, Urbana, Illinois, beginning Tuesday, January 31, and ending Friday, February 10, 1911. The last three days of the institute will be devoted to the annual meetings of the Illinois State Horticultural Society, Illinois Florists' Association, and other similar organizations. There will be exhibits of fruits, vegetables and flowers. Programs may be procured from W. B. Lloyd, Kinmundy, Illinois; J. F. Ammann, Edwardsville; August Geweke, Des Plaines; or E. Bollinger, Lake Forest.

A very comprehensive program has been arranged. Practical demonstrations will be given in the packing of fruit and flowers, the making of spraying materials and the operation of spray pumps. Throughout the entire program the subjects will be handled by men of wide experience in their respective lines. Stereopticon lectures, including such subjects as "Life Histories of Insects," "How to Plan Home Grounds," "Rural School Improvement," "Technique of Hybridizing and Crossing," "Street Trees in Illinois," "Illinois Greenhouses and Their Products" and "Development of the Public Park, with Special Reference to the Small Town," will occupy the evening sessions.

MISSOURI FRUIT GROWERS' INSTITUTE.

The Missouri State Board of Horticulture held a Fruit Growers' Institute at St. Joseph, Missouri, on December 9th and 10th, in co-operation with the local Horticultural Society and the Fruit Grower. In connection with the meeting, the State Board held a fruit show; and at the same time, the Fruit Grower conducted its "Brother Jonathan" fruit exhibit. In the latter alone, there were 350 entries. In the "Brother Jonathan" show, there was fruit from the Atlantic to the Pacific and from nearly all the intervening states, also from Canada.

The fruit crop in the neighborhood of St. Joseph, and in fact all over Northwestern Missouri, was a very good one this year.

NATIONAL HORTICULTURAL SOCIETY OF FRANCE.

This great and influential society was founded in 1855 and has a fine hall and library in the rue de Grenelle, Paris. Besides holding smaller shows at various periods of the year at its headquarters, it also holds two very large ones in spring and autumn on the Cours la Reine. This is probably the finest site available for a flower show in Europe. We notice the Tribune Horticale has just given a special plate of portraits of the officers of the Society. Among them are: M. Viger, the president; M. A. Truffaut, the premier vice-president; M. Abel Chatenay, the secretary; M. Philippe de Vilmorin, M. Maurice de Vilmorin, M. Jules Vacherot, all world-wide names.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Committees for 1911 as announced by the Board of Trustees are as follows:

Finance Committee—Walter Hunnewell, Chairman; Arthur F. Estabrook, Stephen M. Weld.

Committee on Prizes and Exhibitions—John A. Pettigrew, Chairman; J. K. M. L. Farquhar, Robert Cameron, William N. Craig, M. A. Patten, J. W. Hill.

Plants and Flowers—T. D. Hatfield, Chairman; A. H. Fewkes, Peter Fisher, Joseph Clark, Thomas Roland, William C. Rust.

Fruits—Edward B. Wilder, Chairman; Wilfrid Wheeler, William Downs.

Vegetables—Duncan Finlayson, Chairman; Edward Parker, Vincent Buita, Herbert W. Rawson, William N. Craig.

Gardens—Charles W. Parker, Chairman; Arthur F. Barney, Arthur H. Fewkes, T. D. Hatfield, William Nicholson, William P. Rich, Josiah B. Shurtleff, Jr., Wilfrid Wheeler, J. A. Pettigrew, Charles Sander. Library—Charles S. Sargent, Chairman; Ernest B. Dane, George B. Dorr, Charles S. Minot.

Lectures and Publications—C. W. Holtt, Chairman; J. K. M. L. Farquhar, William P. Rich, Edward B. Wilder.

Children's Gardens—Mrs. Robert G. Shaw, Chairman; Mrs. E. M. Gill, Mrs. Dudley L. Pickman, Mrs. W. Rodman Peabody, Miss Margaret A. Rand, Mrs. John E. Thayer.

Programme of lectures and discussions during the season of 1911, to be held at Horticultural Hall, 300 Massachusetts Avenue, Boston, Saturdays, at 2 o'clock, P. M.:—

January 7, 12 o'clock, Inaugural Meeting. Annual Reports.

January 14, 2 P. M., Gardening for and by Amateurs, by J. Otto Thilow, Philadelphia.

January 21, 2 P. M., The Local Plant Doctor, by Prof. H. H. Whetzel, Ithaca, N. Y. (The John Lewis Russell Lecture.)

January 28, 2 P. M., New England Market Gardeners and Their Competitors, by Prof. L. C. Corbett, Washington.

February 4, Summer Blooming Bulbs, by Isaac S. Hendrickson, Floral Park, N. Y.

February 18, 2 P. M., The Horticultural Awakening of New England, by J. H. Hale, South Glastonbury, Conn.

March 4, 2 P. M., The Outdoor Window Garden, by John D. Twombly, Winchester.

March 11, 2 P. M., The Outlook Countryward, by Prof. L. H. Bailey, Ithaca, N. Y.

March 18, 2 P. M., Story of an Old Orchard Reclaimed, by Dr. G. M. Twitchell, Auburn, Me.

All are freely and cordially invited to attend.

Attention is called to the advantages offered by the library of the society.

All persons interested in horticulture are cordially invited to visit the library, and the librarian and his assistants are always ready to extend every facility possible to those in search of horticultural information.

WM. J. STEWART, Chairman; HARRY F. HALL, WM. P. RICH, EDWARD WILDER Committee on Lectures and Publications.

INTERNATIONAL HORTICULTURAL SHOW, LONDON, 1912.

By the time these notes appear in print the preliminary first schedule of this great show will be ready for distribution. It will contain the classes in which prizes will be offered to enable intending exhibitors to make the necessary preparations, but the prizes themselves will be enumerated in a subsequent edition. Apply to Ed. White, 7 Victoria street, London, S. W.

NEWPORT HORTICULTURAL SOCIETY.

A regular meeting of this society was held on the evening of Dec. 27, with President A. S. Meikle in the chair. This being the first meeting since the annual election of officers more than the usual number attended and helped to shape the course of the new government. The most important matter discussed was a plan to make the meetings more attractive, and the discussion resulted in the first five officers being appointed a committee to arrange for a suitable essay to be read at one meeting in each month. Another plan was favorably considered which is to offer a silver cup to be competed for by exhibit points at all meetings throughout the year, and a committee consisting of W. Mackay, A. MacLellan and J. Robertson was appointed to prepare and recommend a scale of points with governing rules for the competition. This committee will welcome any suggestions on the matter through HORTICULTURE.

A representative of the Joseph Breck firm of Boston, was present at the meeting and on behalf of this house offered a silver cup to be competed for at the June exhibition, and needless to say, the offer was gratefully accepted. W. E. Marshall, the New York seedsman, was also present, and being a member, took an active part in the proceedings. Alex MacLellan, who is always to be relied on to give timely information about plant destroying agencies, informed the members that many nests of the brown tail moth had recently been found about Middletown, which is only a few miles from this city, and although we know this pest will be fought vigorously by the state authorities as well as by the owners of the infested locality, those in charge of Newport estates will doubtless feel disturbed over the discovery that another enemy is approaching.

ALABAMA STATE HORTICULTURAL SOCIETY.

The eighth annual meeting of the Alabama State Horticultural Society will be held in Birmingham on Thursday and Friday, January 19th and 20th. The session will be held in the Chamber of Commerce Auditorium. A committee working with the Chamber of Commerce hopes to announce a special railroad rate for the meeting.

There is a possibility that Dr. S. W. Fletcher, Director of the Virginia Experiment Station and well known for his contributions to horticultural literature, will be present to give a talk. An hour will be set apart for the answering of questions relating to horticultural practice and insect control.

Everyone interested in fruit, vegetable, pecan, and flower culture, also forestry and the various practices related to horticulture as pruning, spraying, and harvesting is cordially invited to attend the meetings.

The publications of the Society are interesting northern investors, and the influence and benefit of this organization is becoming more widely felt every year.

The annual dues of the Society are one dollar. There are still several copies of the 1908-09-10 meetings available, and they can be obtained by writing the Secretary, P. F. Williams, Auburn, Ala.

AMERICAN ROSE SOCIETY.

Special prizes already reported for the Boston Exhibition are as follows: The Society of American Florists' Silver Medal may be awarded for best grown rose plant or group of plants, should there be an exhibit of sufficient merit. The Dorrance Challenge Prize for the largest and best display of cut roses, offered by Benjamin Dorrance, Dorrancetown, Pa. A valuable silver medal properly engraved.

For the best vase of cut blooms showing the highest score, the Lord & Burnham Co. trophy. This award to be in addition to any other premium the exhibit may have secured.

Special Growers' Prizes, value \$10, \$7.00 and \$5.00. These prizes are meant for the actual grower of any exhibit, and not for the exhibitor, excepting in the case where he does his own growing. The above is to be awarded to such three exhibits of roses as, in the opinion of the judges, reveal the best specimens of the growers' work in rose growing. The object is to recognize



HARRY E. PHILPOTT
President-elect Chicago Florists' Club.

the man who actually does the good work. Prizes are offered by Benjamin Hammond, Fishkill-on-Hudson, N. Y.

For the best fifty blooms of any variety of American origin now in commerce, a silver cup, value \$25, offered by Hitchings & Co., Elizabeth, N. J.
BENJAMIN HAMMOND.

AMERICAN CARNATION SOCIETY.

The Cottage Gardens Co., Inc., Queens, L. I., submit for registration Carnation Howard Gould (Mrs. C. W. Ward X dark pink seedling). Color, clear dark pink; size, three and one-half inches; stem, wiry, 30 to 36 in. in length. Flower deeply imbricated and of fine form. A. F. J. BAUR, Sec'y.

TURIN NATIONAL EXHIBITION, 1911.

The regulations and schedules for the various horticultural shows in connection with this exhibition have now been issued. The Spring Show will be from May 15 to 25, the Summer Show from September 16 to 24, the Autumn Show from November 25 to December 4. The permanent horticultural show lasts from April to November.

CLUB AND SOCIETY NOTES.

At a meeting of nurserymen from several Southern States, at Knoxville, Tenn., December 15, the Southern Nurserymen's Protective Association was formed. J. C. Miller of Rome, Ga., was made president and A. I. Smith of Knoxville, secretary.

At the session of the Iowa State Horticultural Society, December 22, T. G. Hoover of Wichita, formerly vice-president of the Society, was elected president for the ensuing year. J. T. Treadway of La Harpe was chosen vice-president to succeed Hoover and Walter Wellhouse of Topeka was re-elected secretary.

The Springfield, Ohio, Florists' Club held their regular meeting Monday evening, Dec. 12, at the offices of the Good & Reese company. The paper of the evening was read by Burt C. Blake on the subject, "Leaks," which was interesting to the members. A system of cost keeping was introduced by Opha Jackson and aroused a lively discussion among the members.

The rival tickets to be voted on at the January meeting of the Rochester Florists' Association are as follows:

For president, H. E. Wilson; for vice-president, E. R. Fry; for secretary, H. B. Stringer; for treasurer, W. J. Keller; for trustees, F. Schlegel, Charles Shur, J. O. Pridmore. For president, George B. Hart; for vice-president, George Keller; for secretary, H. B. Stringer; for treasurer, R. G. Salter; for trustees, John Perie, G. T. Boucher, E. Berry.

At the annual meeting of the New London County Horticultural society, held December 8, the following officers were elected for the ensuing year: President, Edward A. Smith; first vice-president, George S. Palmer; second vice-president, John Maloney; secretary, John Maloney; financial secretary, Enoch Evans; treasurer, S. L. Ewald; librarian, James Eckford; executive committee, William E. Pendleton, D. Miller, H. C. Fuller, John Tansy, A. H. Beran.

The members of the Horticultural Club held an informal social at the club rooms, Bar Harbor, Me., Friday evening, December 16, with a large gathering of the members and their ladies. The rooms were attractively decorated for the occasion with plants, flowers and ferns and the hall presented a most attractive appearance. Brief speeches were made by Hon. L. B. Deasy, Judge B. E. Clark, C. B. Pineo, Charles H. Wood, Charles Shand and others and refreshments were served. At the close of the program dancing was enjoyed.

The annual meeting of the Montreal Horticultural Society was held December 14, and a successful year reported. Mr. A. J. Bowles referred to the privileges enjoyed by the society's members and friends in visiting during the winter the conservatories of Senator MacKay, Sir H. Montagu Allan, Alfred Joyce, Mortimer B. Davis, Robert Meighen, Sir William Van Horne, R. B. Angus, Jas. Ross, Chas. B. Gordon, Mount Royal Park and Mount Royal Cemetery Company. With regard to the September exhibition, which was the Society's largest undertaking, it was stated that the affair was a success from a horticultural viewpoint, but the attendance was disappointing. The old officers were re-elected.

BRITISH SOCIETIES.

Chrysanthemum Conference.

Besides arranging each season some excellent shows, the National Chrysanthemum Society has done useful work in fixing up conferences at which leading experts have an opportunity of explaining and interchanging their views. The Society has of late years had to pursue an economical policy, or otherwise these valuable meetings would doubtless be more often held. I have pleasant recollections of a congress being held at the Crystal Palace, a few years ago, when papers were read, and discussions took place on the early flowering varieties. On Dec. 5th the Society held a conference in London, attended by many of the leading growers. Mr. Norman Davis, the raiser of Framfield Pink and other well known varieties, opened with a paper on "The Culture of Japanese Chrysanthemums for Exhibition," in the course of which he gave some excellent hints from his long experience as a commercial grower. Mr. H. J. Jones, a successful trade exhibitor, dealt with the methods of exhibiting Japanese and incurved varieties. Mr. Jones had a number of practical hints for improving the Society's shows. Amongst other things he suggested classes respectively for 12, 24, and 48 blooms, more or less distinct, set up for effect. Classes for both Japanese and incurved blooms should be provided for, and their value as decorative material would be proved in no mean degree. He further suggested that classes be created for groups of cut chrysanthemums on a given table space or of a specified number of blooms, leaving it to the originality of the exhibitor to make the most of the space. Mr. R. F. Felton, the author of a first-class book on floral decoration, handled this part of the subject. He considered that there was a greater decorative effect and color range obtainable in the chrysanthemum than from any other flower. He had never, however, found a true pink. There was, he thought, quite a crusade against the large blooms. This he never could comprehend. The highest price carnation was Carola, and this was simply because of its size. He deprecated the glutting of the market with poor stuff, which spoilt the trade for really good bloom. This was not fair to the best growers. "Don't grow more than you can grow well," was his advice. Growers should not adhere to the old varieties, many of which had been superseded by the newer kinds. As regards the singles, he thought many of these were getting too big. Mensa, Merstham Jewel, and Mary Richardson were the best types; larger ones lacked vigor and did not last well. A paper on "The culture of incurved chrysanthemums for exhibition" was contributed by Mr. W. Higgs. The following new varieties were exhibited during the day, and received awards: Cissie Rungay (T. Stevenson, Addlestone, Surrey), a useful single; December Gold (Norman Davis, Framfield, Sussex), market variety; Jack (T. Stevenson), crimson single; Lady Furness (W. Wells & Co., Merstham, Surrey), single, salmon bronze, with light zone, and gold disc; Mrs. Gilbert Drabble (Messrs. Wells), pure white exhibition bloom; Phoebe

(H. W. Thorp, Durrington, Sussex), rich decorative pink.

A Prosperous Society.

The National Sweet Pea Society is still meeting with a full measure of support from a large circle of amateur and trade growers. At the annual meeting held in London on December 15th, an encouraging report was presented of the Society's progress. In addition to the usual routine business a paper on "Judging sweet peas" was contributed by Mr. Walter P. Wright, and "Cultivation of sweet peas," by Mr. George Herbert. Both gentlemen are well known experts. The Society has arranged to hold its annual series of trials at "The Times" experimental station, Sutton Green, Surrey, next year. Novelties will be tested, and awards and certificates granted according to merit. For these trials it has been decided to accept varieties only from the raiser or introducer. Varieties placed at the head of each color class in the classification list for 1911 will be grown at the trials as standards of comparison. At the request of numerous seedsmen the committee will conduct a further and distinct trial solely for the purpose of testing correctness and purity of stocks of sweet peas.

W. H. ADSETT.

MARYLAND AGRICULTURAL COLLEGE.

The State Horticultural Department of the college at College Park, Md., has arranged for a two-weeks course for practical men, orchardists, gardeners, etc., on Fruit Growing, Insect Pests, Plant Diseases and Spraying Apparatus. The course will begin on January 30, 1911, and will include eleven topics by Prof. C. P. Close, horticulturist, fourteen by Prof. J. B. S. Norton, pathologist and ten by Prof. T. B. Symons, entomologist. The local inspectors for the State Horticultural Department will be selected from those taking this course. All persons thinking of taking the course should communicate with Prof. Symons.

NEW YEAR'S BELLS.

Ring out wild bells, to the wild sky,
The dying cloud, the frosty light:
The year is dying in the night;
Ring out, wild bells, and let him die.

Ring out the old, ring in the new,
Ring, happy bells, across the snow:
The year is going, let him go;
Ring out the false, ring in the true.

Ring out the grief that saps the mind,
For those that here we see no more;
Ring out the feud of rich and poor;
Ring in redress to all mankind.

Ring out a slowly dying cause,
And ancient forms of party strife;
Ring in the nobler modes of life,
With sweeter manners, purer laws.

Ring out the want, the care, the sin,
The faithless coldness of the times;
Ring out, ring out my mournful rhymes,
But ring the fuller minstrel in.

Ring out false pride in place and blood,
The civic slander and the spite;
Ring in the love of truth and right,
Ring in the common love of good.

Ring out old shapes of foul disease,
Ring out the narrowing lust of gold;
Ring out the thousand wars of old,
Ring in the thousand years of peace.

Ring in the valiant man and free,
The larger heart, the kindlier hand;
Ring out the darkness of the land,
Ring in the TRUTH that is to be.

—Alfred Tennyson.

WAFTEA FROM WABAN.

As everybody knows, roses of the Killarney type have the public preference today. Bride and Bridesmaid the buyers do not want and will not buy when they can get anything else. No doubt, one of Killarney's strong points with the public is its perfume. A rose without fragrance stands "in a slippery place." But Killarney stands well with the grower for other reasons besides its popularity. According to Alexander Montgomery, than whom there is no more observant grower, Killarney can be manipulated as you want. There is no more tractable subject. It's all in the pinching; seven weeks from pinching, there stands the flower. Beds pinched back two weeks apart will follow in the same sequence in flowering. Mr. Montgomery calls attention to a very prevalent fault with growers of White Killarney in cutting the buds too close. This variety has more petals than the pink one and is a longer keeper and the buds should be allowed to remain on the plant until all traces of green have gone from the petals. Green "white" Killarneys are frequently seen in the market. They had not been given sufficient time to mature. Another characteristic of White Killarney is that it beats its pink parent fully seven days in coming into crop. This counts up when the profits are estimated. Two-year and three-year plantations of Killarney at Waban Rose Conservatories were a sight worth going a long distance to see, just before Christmas especially. E. G. Hill, who was East at that time, took advantage of the opportunity for a look and was transported to the seventh heaven at the inspiring sight.

As elsewhere, Richmond, although most wanted of all the Christmas roses, was far behind Killarney in productive exuberance. Richmond needs the higher holiday price in order to save it, but towards spring there are three months during which the big strong shoots from the bottom are produced in abundance and then Richmond averages up for its lost ground.

We shouldn't wonder if Mr. Montgomery would have some promising candidates for the novelty race in the not far distant future, "but that's another story."

Des Moines, Iowa, December 17.—A brave but ineffectual insurgent movement among the members of the Iowa State Horticultural Society came within a notch of winning out the past week and effecting revolution in that somewhat fossilized body of ancients. An effort was made to put some new and young blood on the board and three different names were proposed. One of them was Frank Bellet of Atlantic, a true naturalist and a young man far ahead of his times. In order to keep the control within the small group it became necessary to select two officials who live just across the road in one county. Some of the directors have been officers in the society for twenty-five years or more, and it has been found practically impossible to get any new blood into the association. This was the real cause for the formation of three auxiliary associations, one of florists, another of plant breeders and the park and forestry association. The "old guard" has a firm grip on affairs, however.—Council Bluffs Nonpareil.

PUBLICATIONS RECEIVED.

George E. Dickinson, of 1 Broadway, New York, has again made his friends and customers happy with a beautiful calendar entitled "Nature's Gifts," comprising a series of fruit studies from paintings by C. Klein, a most artistic production.

Bulletin No. 1 of the American Gladiolus Society has come to hand and secretary Gage is to be congratulated on the attractive little pamphlet which is the first publication issued by this young organization and which, we trust, is to be followed by many such from time to time.

Canadian Seed Growers' Association—Report of the Sixth Annual Meeting, held at Ottawa, Feb. 10 and 11, 1910. This volume contains the minutes of the proceedings interspersed with many fine half tone illustrations of seed crops and cultural processes, and the papers and addresses presented, in full. The book is a valuable addition to the literature of "good seeds."

Bulletin of the New York Botanical Garden, Vol. 6, No. 22, issued November 30, 1910, presents the reports of the officials in charge of the garden and its various departments, an article on New Species from Bolivia, collected by R. S. Williams, Critical Notes on New or Little Known Species in the Herbarium, A Study of Southern California Trees and Shrubs and a complete index to the full volume comprising 528 pages.

City of Boston; Department of Parks—Thirty-fifth Annual Report of the Board of Commissioners. This includes a comprehensive report by Superintendent J. A. Pettigrew on the various parks, boulevards and playgrounds under his care. We note that the Commissioners refer hopefully to the possibility of adding to the park attractions later on, by the aid of the Parkman Fund, a garden with all the summer flowers, annual and perennial, with lines of hothouses for winter exhibitions.

The Woodsman's Handbook, revised and enlarged, has just been issued by the Forest Service Bureau of the U. S. Department of Agriculture. Henry S. Graves, Forester, and E. A. Ziegler, Director of Pennsylvania State Forest Academy, are the authors. The book contains 208 pages of information on each and every topic of interest to the woodsman and lumberman, and, in fact, anyone at all interested in forestry and tree growth, whether for business or pleasure, will find this publication full of valuable facts and suggestions. There are sixteen figures illustrative of the text.

Bulletin No. 195, Bureau of Plant Industry, U. S. Dept. of Agriculture is a very interesting pamphlet of 56 pages, on "The Production of Volatile Oils in Perfumery Plants in the United States." The imports of volatile and distilled oils for the years 1903 to 1908 inclusive amounted to over three and one-half million dollars. With the exception of peppermint oil none of the various distillations approach industrial size in the United States but the author of this bulletin concludes that the outlook for a very considerable extension of the volatile-oil industry in this country, in general, seems promising. Favorable conditions of soil and climate seem to be obtainable. With an in-

CYPRIPEDIUM × OLIVIA.



The beautiful flower illustrated here is one of the most highly prized of the numerous cypripedium hybrids. It is

a hybrid between the two well-known species *C. niveum* and *C. tonsum*, combining the exquisite points of each.

creased practical knowledge of how to handle the crops of greatest promise and with a working familiarity with the forms of apparatus used in separating the oils, the preliminary steps leading to such an extension will have been taken. Before a full-fledged industry can be expected to appear, however, much preliminary experimental work must be done over a wide area in order to ascertain the most successful combinations of soil, climate and labor conditions.

From the standpoint of the consumption of products, derived from volatile oils obtained from plants, the commercial statistics show a large and active market. They also show that the demand is now supplied in very large part from foreign sources, and an active interest in testing the possibilities of our land is suggested.

Missouri Botanical Garden, Twenty-first Report, 1910.—This annual volume is, as usual, an interesting scientific record, especially valuable to botanists and students of plant life. Full reports of the director and officers of the board of trustees are followed by scientific papers by Ada Hayden, C. H. Danforth, E. G. Arzberger, Francis E. Lloyd, David Griffiths, R. R. Gates and Perley Spaulding, illustrated by 33 beautifully finished plates. Dr. Trelease's report states that during the year 822 species or varieties were added to the list of plants cultivated, and 520 were lost or discarded, the total number in the collection at the end of the year being 11,764. About 2,500 *Oenotheras* grown from pedigree seed added much to the attractiveness of the

Garden in the early evening during the summer, because of their profuse production of large and fragrant flowers. 3,511 chrysanthemum plants, of 520 varieties, were shown under canvas during the last two weeks of November. The total income receipts for the year were \$170,378.03, and disbursements \$167,418.39.

NEW FRENCH CHRYSANTHEMUMS.

At the Paris Autumn Show the floral committee awarded no fewer than 66 certificates to new seedling chrysanthemums and this number is quite independent of those awarded by the French Chrysanthemum Society at Lyons. In our opinion, the French novelties this year are below the average in quality and we shall be much surprised if half a dozen of them ever find their way into either English or American cultivation.

C. H. PAYNE.

CHRYSANTHEMUM JOURNAL.

The Paris Chrysanthemum Committee of the National Horticultural Society of France is as big a concern as many a Chrysanthemum Society. It numbers not far short of 400 members, many of whom are distinguished foreigners interested in the flower. A journal issued once a year is distributed among the members.

I did not receive my last issue of HORTICULTURE and miss it as much as my dinner.

Mass.

F. L. W.

CHICAGO NOTES.

The Retailers.

Never were the conditions more ideal for a successful Christmas from the retailers' standpoint and when they have had time to catch up with their sleep, no doubt we shall hear this was the verdict. Certainly careful preparation was evident in all the stores and windows never looked more attractive than this year. Stock was dressed up in the most attractive manner possible, baskets, matting, ribbons and everything offered in novelties used to the best advantage. Pussy willows were more in evidence than usual and made a pretty addition.

Geo. Piesser is now at W. J. Smyth's and seems equally well fitted for either the retail or wholesale business. This store had a particularly tasteful arrangement of green wreathing. Strands of the green reached from points two feet apart at the front of the windows and were fastened at a common point at the center of the two sides of room. A miniature forest of evergreen trees gave a beautiful effect to the other window. Samuelson's store was a blaze of color. His window had a large ball of ruscus as a center and from it were draped red ropes to all sides of the ceiling. A lattice work of red and green made an effective background.

Trade Jottings.

Some large local orders were cancelled on account of the loss of the lives of the twenty-four Chicago firemen on the 22nd.

J. A. Budlong's addition of lily of the valley to his regular stock is proving a decided success. Mr. Budlong started in this line only this year and his stock is especially large and fine and was in just in time for the holidays.

The mid-winter Flower Show of the West Chicago Park Commissioners is being held at the conservatory in Garfield Park, from December 18 to January 2, inclusive. The conservatory will be open from 8 o'clock until 10 o'clock in the evening.

The Chicago Carnation Co. is much pleased with its first Christmas in Chicago and could have sold many times its stock. Carnation Washington is gaining in favor and as grown by this firm is a most beautiful flower, as productive as its parent, Enchantress.

One of our wholesalers among the oldest in experience in the market is much pleased with the Christmas prices. He thinks lower prices at the holidays means better trade during the season and that the way prices have formerly run up previous to Christmas has thrown a damper on the sale of cut flowers turning the trade to plants. Certain it is that while extreme prices were not reached, the wholesalers one and all are rejoicing in a good Christmas trade.

E. C. Amling, who has one of the largest commission houses in Chicago, will move early in January to the first floor of the building, the rest of which is occupied by the A. L. Randall Co., at 19 Randolph St. Mr. Amling has been in business in Chicago fifteen years, ten of which were in his present location. The present move is made to accommodate the increase in business and he will have double the floor space.

The largest ice box will be moved and a new one 10 ft. x 30 ft. and 8 ft. deep will be built by Orr & Lockett which is said to have the greatest capacity of any ice box in the city. At this writing it is not decided who will take the corner vacated by Mr. Amling but it is too good a location to be vacant.

Personal.

Mrs. E. E. Piesser and Mr. G. H. Piesser are both reported as recovering from their illness.

Mrs. Jas. Rosenthal, sister of O. J. Friedman, was buried on Monday, December 26th, 1910.

John Gormley of Canger & Gormley, and formerly of Boston, is very ill at the Chicago Union Hospital, the result of a relapse following an operation a few weeks ago.

PHILADELPHIA NOTES.

Edward Reid is now comfortably settled in his new quarters 1619-1621 Ransstead street, one block west of his old quarters. Mr. Reid reports a very successful season and is hopeful and enthusiastic as to the general outlook.

The Harrison Nurseries of Berlin, Md., have an elaborate exhibit of evergreens and ornamental nursery stock at the Reading Terminal Market. This is worth going to see. Our old friend, Chas. L. Seybold, of Baltimore, is in charge of the exhibit.

E. J. Fancourt of the Pennock-Meehan Co., has just returned from a twelve weeks' business trip north and west and reports excellent business all along the line. He is particularly proud of the pocketful of big orders for their new rose introductions for 1911—Melody and Double Pink Killarney.

George S. Hampton, Jr., returns to Michell's, January 1st. He has been with a wholesale florists' supply house for several years as outside salesman, and is now an experienced and efficient artist in that line. He will undoubtedly make good in a similar capacity with his old house—who are to be congratulated on getting back one of their most popular undergraduates—finished and polished in the school of outside experience.

The growing importance of ornamental gardening on the Pacific Coast is well exemplified in the fact that one of the most important horticultural establishments in the country (Messrs. Dreer) has recently issued a special rose catalogue (16 pp. and cover), entirely and exclusively for that particular locality. The catalogue is beautifully illustrated, and the descriptions are concise and accurate. One of the most important features is the discrimination exercised in keeping out undesirable varieties. The fact that the head of the house has resided for many years in California gives the firm a powerful lever in knowing what to reject, which is just as important as knowing what to put in, when it comes to catalogue making.

The December lecture at the Henry F. Michell Company's on December 27, was very largely attended. Fully one hundred truckers and their wives were present. Prof. J. W. Gregg, of State College, Pa., talked on "Market Gardening—Improvement of Soil—Selection of Seed—Proper Method of Marketing—Insects and Diseases." The

main points brought forth were that the average trucker is backward in applying sufficient stable manure and in tilling the land deep enough. He claims that 75 tons of stable manure (or more) should be used per acre, and that most truckers think they are plowing from 7 to 8 in. deep, while in reality the plow does not go deeper than 4 in. In the selection of seeds, the lecturer recommended that one buy the very highest-priced if an improved strain could possibly be secured. In marketing he advised that each trucker should study the needs of the market and grow only that for which he will find ready sale. He should also study to put up his goods uniformly, honestly, and attractively, packing up vegetables so they do not need re-packing, in boxes containing sufficient for an average family, so the goods are not handled several times before they are consumed. In regard to insects and diseases, he claims no trucker needs to lose any sleep, providing he treats the soil properly, because it stands to reason that the healthy plant is immune from diseases and insects (?) Those present were intensely interested and showed this fact by asking many questions. The next lecture, on "Spraying," will take place on January 30th at 11 a. m.; lecturer, C. W. Tablee, of The Horticultural Distributing Co.

OBITUARY.

William H. Allen.

Wm. H. Allen, a well-known market gardener, died at his home in Arlington, Mass., on December 12.

E. C. Stache.

Edward C. Stache, father of Herman C. Stache, a well-known florist of West Manchester, N. H., died at his home, 649 2d street, on December 17, aged 60 years.

William Kitzerow.

William Kitzerow, formerly a florist in Milwaukee, father of C. F. Kitzerow, who is also in the florist business in Milwaukee, died at the home of his daughter, Mrs. Bertha Wendland, in Chicago, on December 18, aged 81 years. Mr. Kitzerow was born in Pragen, Germany, and came to Milwaukee in 1846.

Mrs. Peter Mergen.

Mary E. Mergen, wife of Peter Mergen of Maryville, Mo., died December 15th after several months' illness at the age of 56 years. Mrs. Mergen, one of the pioneer florists of northwestern Missouri, started in a small way in 1884 and was successful from the first. The business was finally established under the firm name of Peter Mergen & Co. She is survived by her husband, who has sold the stock and good-will of the business and leased the green-houses.

The Biltmore Nursery, in North Carolina, will again supply the nursery stock for the public parks and squares of the city. The contract was given out yesterday by the Board of Awards on the recommendation of Mr. William S. Manning, general superintendent of parks, the concern having submitted the lowest bid—\$2,223.55. Thomas Meehan & Sons offered to supply the stock for \$2,424.00.—*Baltimore American*.

A Personal Letter to Every Florist

Philadelphia, January 1, 1911.

Dear Sir:—

Ripeness and progressiveness that's what you want in a seedsman.

Some florists deal with a seedsman simply because they have formed the habit, or because their favorite house is one with a record dating back a century or two.

Nowadays it is not old age or past greatness—for it is reasonable to suppose that the "old man" himself may have died or retired, and it is a toss-up whether his business-bringing policies are still being carried out, and whether his successors or subordinates are any better executives than those in a new, inexperienced seed house.

Very often it is the "old man's" large block of capital stock that is holding the business together—to uphold the family's business name.

There are other "live," ripe, twentieth-century seedsmen, however,—and one in particular, with a rosy record over twenty-one years long—a ripe age—under the vigorous personal direction of its founder, with the ablest managers of departments, the most "up-to-the-minute" and courteous business methods, located in the most modern and best-equipped seed-house in the world—these are just a few of the reasons for the marvelous growth of the House of Michell.

All this is not mentioned in a boastful way—only that those who do not know us may realize that they cannot know too many ripe, progressive people, and that such firms may save them some money.

The House of Michell confidently expects to make every florist in the land a customer and a friend, but only by showing the trade better qualities, better values, better service, and better results than they have been accustomed to getting. We realize that this is the only way to get repeated orders.

You want your greenhouses to yield more profits—every "live" florist does—and doesn't it stand to reason that a house which, like ours, is securing a great amount of new business, must be offering extra good bargains to secure such trade?

At any rate, you owe it to yourself to investigate, and whether you need a packet of seeds, a case of bulbs, or several tons of fertilizer, our coming together cannot bring profit to us unless it brings more to you.

You are now on the threshold of a new season. Write for our 1911 wholesale catalog (it is ready), find out what we have to offer you—how our prices compare with competition—and above all, give us a trial.

Others—and very particular florists, too—are making capital out of dealing here, so why not you?

To give each customer's best interests whole-hearted study; to analyze the conditions; to note the likes and fancies and satisfy them;—that's the idea on which this business has been conducted for over twenty-one years.

Respectfully yours,

HENRY F. MICHELL CO.

518 MARKET STREET.

PHILADELPHIA.

(Carefully note the new address.)

 **Write to-day for Michell's Wholesale Catalog for 1911.**

CATALOGUES RECEIVED.

Alonzo J. Bryan, Washington, N. J.—Special Bargains in Plants for the Holidays. Wholesale.

W. F. Schmeiske, Binghamton, N. Y.—The Hardy Phlox Garden. An excellent list of modern varieties.

J. D. Thompson Carnation Co., Joliet, Ill.—Folder with Wholesale Price List of Carnations, Chrysanthemums and Violets.

J. L. Moore, Northboro, Mass.—Wholesale Clump Price List of Dahlias for Fall, 1910 and Spring, 1911. A big selection.

Sluis & Groot, Enkhuizen, Holland.—General Wholesale Price List of Vegetable, Flower and Agricultural Seeds. Issued December 9, 1910.

W. W. Johnson & Son, Boston, England.—Wholesale List of Novelties and Specialties in Flower and Vegetable Seeds. A valuable list of novelties, illustrated.

W. W. Barnard Company, Chicago—Special Preliminary List of Fresh Flower Seeds for Early Sowing This is a condensed wholesale list, very comprehensive and of timely value.

Scott Brothers, Elmsford, N. Y.—List of Chrysanthemums, Roses, Carnations, Etc., 1911.—A descriptive list of choice varieties and novelties; pages 4x9, just a nice pocket size.

Iowa Seed Co., Des Moines, Ia.—Annual Catalogue for 1911. A 150-page list of flower and vegetable seeds, border plants, etc. Cover in colors showing roses, sweet peas and vegetables.

M. Herb, Naples, Italy.—General Catalogue of Seeds—Florists' and Agricultural—Flower Bulbs for Spring Planting, Etc. Contents in three languages. Some interesting novelties are listed.

California Rose Co., Pomona, Cal.—Illustrated and Descriptive Book of Field-Grown Roses. A very nice and convincing catalogue. Cover illustration in colors, of yellow rose Joanne Wessenhoff.

E. S. Miller, Wading River, N. Y.—Trade Price List, Spring of 1911, Bulbs and Hardy Plants. Especially strong on gladioli and lilies, of which a very carefully selected list is given, at reasonable prices.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offer of Novelties for 1911. A very interesting catalogue finely illustrated with portraits of new and improved varieties of florists' flowers grown from seed.

Elmer D. Smith & Co., Adrian, Mich.—Chrysanthemums and Asters, 1911. An elegant publication in every way. As to the contents, everybody knows what to expect from this expert. The illustrations are very fine.

Watkins & Simpson, Covent Garden, London.—Special Offer of Flower Seeds for 1911. A very complete wholesale list, well-illustrated. From same house, Novelty List in Vegetable and Flower Seeds, especially interesting.

C. H. Richards, London, England.—Wholesale Trade Price List of Horticultural Sundries for Nurserymen, Seedsmen and Florists, including XL. All specialties of which this house is the manufacturer and proprietor. The book is fully illustrated and substantially bound and includes the third

supplement to the original list, with revised prices.

Henry F. Michell Co., Philadelphia, Pa., Michell's Distinctive Seeds, 22d Year. A brilliant catalogue, pages 8½ x 10½; annuals, perennials, climbing plants, etc., classified separately. Covers in green, scarlet and gold on white background. Contents admirably arranged. One colored insert—nasturtiums.

Charles H. Totty, Madison, N. J.—Chrysanthemums, Carnations and Roses for 1911. This eminent specialist has given the trade, in this publication, a well-selected and reliable list. It is well printed on heavy paper. The cover illustrations are Chrysanthemum Mrs. David Syme and a view of "The Home of Totty's 'Mums."

James Backhouse & Son, Ltd., "The Nurseries," York, England.—Catalogue of Trees, Shrubs, Coniferae, Etc., for 1910-11. This richly illustrated list of choice ornamental trees and shrubs very well represent the long-standing and widely-known firm (established two centuries) whose name it bears. Many beautiful full-page half-tones adorn its pages.

W. Atlee Burpee & Co., Philadelphia, Pa.—Burpee's Annual for 1911. There are some sterling novelties listed in this interesting catalogue including Burpee's particular specialties—sweet peas—of which two colored plates are given. There are also colored plates of Bush Limas, Tom Watson Watermelon, Stringless Beans and a lovely variegated leaved Nasturtium.

Henry Mette, Quedlinburg, Germany—1910-1911 Trade Catalogue of Vegetable, Flower and Farm Seeds. Established in 1787 this well-known house holds its position among the leading horticultural establishments of Europe and this profusely illustrated trade list covers the product of a vast territory devoted to seed-growing. The novelty list is especially interesting.

R. & J. Farquhar & Co., Boston, Mass.—Garden Annual for 1911. Again we have in Messrs. Farquhar's annual seed and plant catalogue one of the finest productions of the catalogue maker. The covers show beautiful illustrations in natural colors and artistic poise of several of the gems among the recent novelties from Western China including Clematis montana rubens, Ampelopsis Henryana, Ampelopsis Thompsoni and Lilium leucanthemum. The half-tone illustrations all through are very fine and the arrangement excellent. The novelty list is unusually extensive and most interesting.

James Backhouse & Son, Ltd., York, England.—Alpine and Herbaceous Plants for 1911. This latest list of this increasingly popular class of plants is a perfect mine of information and includes many things which we have never seen listed in any other catalogue. For upwards of half a century this firm has been importing Alpine and herbaceous plants from wherever they are procurable, making a careful study of their growth and development, and fostering among their friends and clients an increasing love for rock work, bog and aquatic gardens, which have now become so popular not only in Europe but also in America.

The rock garden at York Nurseries, which we understand is by far the finest

est of its kind in Europe and covering several acres, is a veritable "Switzerland in miniature," where lake and mountain, crag and boggy dell are covered with vegetation of the richest and most varied kind. Lovely Alpine plants from Switzerland and the Tyrol, the Pyrenees and other European localities, are grouped in a natural and effective manner with many of the finest known species from the Himalayas, the New Zealand Alps, Rocky Mountains and other parts of the world. The catalogue is not illustrated but is nevertheless full of interest for lovers of Alpine plants and flowers.

LIME-SULFUR INJURY.

You have no doubt heard much during the past season about injury to foliage of apples by lime-sulfur solutions. You will hear more about it this winter, at all the fruit growers' meetings. It is a subject in which every live fruit-grower is especially interested this season, as the great question now is: Is bordeaux to be replaced by the lime-sulfur as a summer spray? Mr. Everett Wallace, our lime-sulfur expert, who conducted those interesting experiments at Sodus, N. Y., has prepared Bulletin No. 288 on Lime-Sulfur Injury. Mr. Wallace's experiments and observations on this question indicate: First, that heavy drenching is a common cause of foliage injury. Second, that much of the burning of apple foliage this year following the application just after the blossoms fell was due to previous scab infection of the leaves. Third, that arsenate of lead is the only insecticide that we yet know which may be used in the lime-sulfur with safety. It not only decreases the burning but actually increases the fungicidal value of the mixture by 50 per cent. Fourth, that injury to the fruit and foliage by lime-sulfur is much less serious than that caused by bordeaux under the same conditions. Fifth, that the addition of lime or the presence of sediment does not materially affect the burning qualities of the lime-sulfur one way or the other. Sixth, that cultivated, vigorous trees will withstand foliage injury better than trees in neglected orchards.

Many other questions of direct and practical interest to the grower are fully discussed in this bulletin. If you expect to spray next year you will certainly want to see this bulletin. It will be sent only to those in New York State who are sufficiently interested to ask for a copy. This bulletin should be ready for distribution not later than January 1st. Drop us a postal card saying you want the bulletin when it is ready and we will see that it is sent to you. There is another good bulletin on this subject coming out soon. Watch these columns for an announcement of it.

H. H. WHETZEL,
Plant Pathologist,
New York State College of Agriculture.

HORTICULTURE is improving all the time; the special articles on the care of "Florists' Stock," and "Fruit and Vegetable Growing Under Glass" are just fine, and make the paper of great value to the progressive gardener and florist. I wish you a happy New Year and continued prosperity.

New York.

W. C.

THE SENSATIONAL
NEW ROSE
FOR
1911

New Forcing Irish Rose "MELODY"



The raisers of Killarney, Liberty, Mrs. Jardine and many other splendid roses both for forcing and out doors — Messrs. Alexander Dickson & Sons, the famous Irish rosarians — after exhaustive tests both at home and in America, have selected "**Melody**" as the best from hundreds of fine new varieties and we have arranged as their representatives in America to put same on the market in the spring of 1911. The flowers are a lovely shade of yellow, deepening to apricot in the center, perfect in form, and very durable. Melody is a great producer and is destined to become a standard commercial sort, and a moneymaker to all who handle it — whether grower or retailer.

We are booking orders for plants of "**Melody**" for spring delivery at the following prices:

Plants of Melody

ca.	doz.	25	50	100	250	1,000
\$0.75	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00

These are **Own Root** plants. We do not offer in grafted, as it has been found from experience that this variety does best as "Own Root."

We Also Offer For Spring Delivery

PLANTS of the NEW DOUBLE PINK KILLARNEY

A sport from White Killarney — pink in color — but nearly twice as double as the old variety: more prolific and a better shipper.

	ca.	doz.	25	50	100	250	1,000
Own Root							
Grafted	2 1/2"	\$0.50	\$4.00	\$6.00	\$11.00	\$20.00	\$40.00
		.75	6.00	10.00	17.50	30.00	70.00
							\$150.00
							250.00

All orders will be filled strictly in rotation. Propagation limited; therefore, orders should be placed at once to insure getting these great varieties this year.

ROBERT SCOTT & SON, *Rose Growers* SHARON HILL, PENNA.

**General Agents for the United States and Canada for the Celebrated
DICKSON IRISH ROSES**

Flower Market Reports

BOSTON Had Saturday, the 24th, been a different sort of day Boston's Christmas

story would undoubtedly have been much more exultant in tone than it is. Indeed, there is good cause for congratulation over the fact that it is not much worse, for Saturday was a drencher in fact and in spirit. It certainly was a glorious Christmas present for the parched up land but it came at a very inopportune time for the flower man, whether grower, wholesaler or retailer, and local trade suffered severely. Foolish growers there were, heedless of past experience and warnings, who had persisted in hoarding up their stock until the last day and the outcome must have been a bitter disappointment to such, for prices went to pieces Saturday morning under the double load of profusion and inclement weather and sales throughout the day were made with difficulty. In the evening there was something of a rally, due to the calls from local retailers who had been taking no chances, but it was not possible to move all the accumulation and more or less was left unsold until Monday. This was especially true of carnations (other than the red ones), which were held at prices regarded by the buyers as almost prohibitive. Roses, on the other hand, were quoted at figures not greatly above previous market rates, and it seemed to be the prevalent sentiment with the average dealer that he was getting much more for his money in purchasing roses than he did in carnations. Of course, all argument ceased when it came to Richmond roses as in the case of Beacon carnations, and the grower got whatever price he demanded, as well as a reproof for inability to fill orders in full. The difficulty in moving lily of the valley was something of a surprise to the wholesalers who had found this flower a good seller in previous years. Violets sold well but, unfortunately, many reached the market late owing to the overcrowded condition of the express service and some stores declined to accept what they had ordered, as a consequence. American Beauty roses, contrary to expectations, were had in plenty, the medium grades selling best. Of lilies there were all that the trade called for and they were good. Poinsettias were very fine, but the supply was insufficient. The prevalence of the artificial article has discouraged growers from growing poinsettias for cut-flower purposes. In the early and middle part of the week greens sold well. Much holly was delayed in transit and thus left unsold as all shipments arriving as late as Saturday went by default. The wholesalers were considerably hampered in their holly and laurel trade by the government inspection laws relating to injurious insects. On the whole, we should say that the wholesale florists and those flower growers who did not hold back for Saturday had a good and profitable Christmas. Of course, the plant growers were cleaned out of everything fit to sell. Made-up plant arrangements, especially when composed of foliage material, were slow sellers in the stores and a quantity were left over. Cyclamens, poinsettias, ardisias, Lorraines

and small azaleas had a great run. Small Lorraines were in lively demand for use in dishes and jardinières and the supply was insufficient. Boxwood balls, studded with scarlet immortelles sold at sight. Mistletoe also cleaned up nicely.

CHICAGO While local trade was comparatively quiet from the 15th to the 20th it

was quite up to expectations from that time on. From the wholesalers' standpoint it was very nearly all that could be desired. Stock came in in better condition than is often the case and there was not so much pickled material as in former years. Carnations suffered most in being held back and altogether too many sleepy ones were to be seen. White flowers were practically the only ones left at the close of each of the four busiest days and they included roses, lilies and lily of the valley, as well as carnations. The colored stock of all kinds being most in demand, white naturally was last choice with light pink coming next. Violets were in excess of the demand and some stock kept too long was a total loss. On most days violets sold for less than prices quoted in trade papers, considerable concession being made in large quantities and in very large lots cutting the prices almost in two to clean up stock. Some very heavy shipments from the east arrived on the 27th and will probably be handled by the fakirs, as at this writing there is almost no demand. Beauties did not reach the highest price made in former years, but sold out clean, medium lengths being most quickly disposed of. The tendency for the retailers to sell plants was more marked even than in former years and stores were fitted up to accommodate them almost excluding from view the stock of cut flowers. The supply of Christmas green was not altogether satisfactory. The scarcity of holly early in the week and the excessive quantity arriving late kept the market in a turmoil, while ground pine did not arrive at all owing to the heavy snow fall and the forest fires of the past summer. There will be some adjustments necessary before the dealers in holly will balance up their books. At the beginning of the week shipments failed to arrive and at the end of the week there was a large quantity left, coming in after sales were practically closed. The ton of California holly received by Vaughan & Sperry came just at the right time and sold at once. It will, no doubt, be used extensively next year. The white holly, called here "desert holly," also came just in time to make itself appreciated and was cleaned up before the influx of holly from the east late in the week. It seemed to please the retail trade and was a pretty novelty. The absence of ilex berries this year was severely felt.

CINCINNATI Christmas flower trade was satisfactory and fully equal to that of any preceding Christmas. There was little or no evidence of pickled stock. Long stemmed Beauties were as plentiful, probably a little more so, than the previous year, and prices a shade lower. Medium and shorter grades with perfect blooms

were not equal to the demand. Richmond was in exceptionally heavy demand and short supply. Killarney outranked all other pink tea varieties in quality and supply and a good many more could have been sold, in fact anything in pink sorts was snapped up readily. Bride, Ivory and White Killarney were in heavy crop, moving rather slowly early in the week, but cleaned out nicely for Christmas. The receipts of carnations were exceptionally light and prices ruled very firm. The quality was all that could be desired. Lily of the valley was plentiful, of choice quality, and sold fairly well. Large quantities of poinsettias were marketed at prices ranging from \$15 to \$25 per 100. More paper white narcissus could have been sold. The supply of double violets was sufficient for all requirements. There was a noticeable shortage of good singles. The demand for stevia was exceptionally good and callas cleaned up nicely. Plumosus, sprengeri and smilax were in good supply and demand. Boxwood continues scarce. The shortage of bronze galax is relieved and they are now to be had in any quantity. The plant business was exceptionally good this year. All the bright colored blooming plants sold well.

WASHINGTON The Christmas season of 1910 is now a matter of history

and each florist of this city is patting himself on the back, as it were, for business this season has been, at least on an average, 40 per cent better than in past years. There was an unusually large demand for pot plants of all grades, due to the fact that cut-flowers have not been so high before in years. There was an unusual run on reds, with the result that red carnations were wholesaling at 15 cents each and even at that abnormal figure demand could not be supplied. The principal novelty in pot plants was the Glory of Cincinnati begonia. Some of the downtown stores could not secure any at all, and those that had them sold out entirely. This is the first season that the originator, Peterson, of Cincinnati, has put them on the market in any quantity and their popularity is already established. Azaleas retained their usual popularity, many selling in fancy hampers. Prime Beauties brought \$15.00 a dozen, wholesale; Richmonds ranged from \$10.00 to \$20.00 per 100; Killarney, Maryland, Ivory and Bride, \$8.00 to \$15.00; gardenias wholesaled at \$6.00 per dozen; cattleyas, \$9.00 per dozen; mignonette, \$3.00 to \$6.00 per 100; Virginia violets easily brought 75 cents, while New Yorks went readily at \$1.50 to \$2.00. There was a big demand for cut poinsettias. Paper white narcissus was the only thing shown in bulbous stock in any quantity. Roman hyacinths were in too limited quantities to be considered. There was plenty of holly and finer than any shown in years.

Philadelphia flower quotations additional to regular list: Roses, Perle, \$6 to \$10; Melody, \$10 to \$15; bouvardia, \$5; poinsettias, \$25 to \$40; callas, \$25; white lilac, per bunch, \$1 to \$1.50; swainsona, per bunch, 15c.; pussy willows, per bunch, 50c.; sweet alyssum and stevia, 25c. per bunch.

(Continued on page 949)

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	.....\$0.10	\$0.20
Blue Perfection	.....15	.50
Imperial Dwarf Blue	.....10	.25
Imperial Dwarf White	.....10	.25
Little Dorrit	.....15	.50
Swanley Blue	.....10	.25
Little Blue Star, trade pkt. 50c., 3 pkts. for \$1.25.		

BODDINGTON'S MAUVE BEAUTY
Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

	Trade pkt.	Oz.	1/4 lb.
Little Gem, dwarf, best for pots	.....\$0.10	\$0.30	\$1.00
Carpet of Snow, for hanging baskets and borders	.....10	.40	1.25
Sweet (the old variety).	.....10	.15	.50

ASTERS

BODDINGTON'S Asters are Famous.
Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Aster Ely Wonder, white.	.....\$0.25	\$.75	\$2.00
Aster Ely Wonder, pink.	.....25	.75	\$2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	.....\$0.20	\$0.60
Light Blue	.....20	.60
White	.....20	.60
Dark Blue	.....20	.60
Crimson	.....20	.60
Rose	.....20	.60
Flesh-Color	.....20	.60
Light Rose	.....20	.60
Scarlet	.....20	.60
Red-Lilac	.....20	.60
Finest Mixed	.....20	.60

BRANCHING ASTERS

Vick's Branching.

	Trade pkt.	1/4 oz.	Oz.
Crimson	.....\$0.25	\$0.35	\$1.00
White	.....25	.35	1.00
Purple	.....25	.35	1.00
Violet	.....25	.35	1.00
Rose	.....25	.35	1.00

Carlson's Branching.

	Trade pkt.	1/4 oz.	Oz.
Lavender	.....\$0.25	\$0.35	\$1.00

Sample's Branching.

	Trade pkt.	1/4 oz.	Oz.
Shell-Pink	.....\$0.25	\$0.35	\$1.00

Upright White 25 .35 1.00

Trade pkt. each of the collection of 8 varieties for \$1.75.

Trade pkt. 1/4 oz. Oz.

Vick's New Early Branching, white \$0.25 \$.75 \$2.00

Vick's New Early Branching, pink 25 .75 2.00

BODDINGTON'S GIANT

ANTIRRHINUM

(Height, 3 Feet.)

	Trade pkt.	Oz.	1/4 lb.
Coral-Red, striking color.	.....\$0.20	\$0.60	
Carmine, splendid color.	.....20	.60	
Daybreak, light pink.	.....20	.60	
Brilliant, scarlet, golden yellow and white.	.....20	.60	
Crescia, dark scarlet.	.....20	.60	
Queen Victoria, pure white.	.....25	1.00	
Luteum, yellow.	.....20	.60	
Firedly, scarlet.	.....20	.60	
Romeo, deep rose.	.....20	.60	
Lilacinum, beautiful lilac.	.....20	.60	
Mixed	.....20	.50	

BEGONIA

	Trade pkt.	Oz.
Boddington's Crimson Bedder.	.....\$0.50	
Erfordii, carmine	.....25	
Semperflorens	.....25	
Vernon grandiflora, 1/2 ft. A fine bedding sort, with rich red flowers and glossy bronzed-red foliage.	.....25	

CINERARIA

	Trade pkt.	Oz.
Cineraria maritima, 1 1/2 ft.	.....10c.	oz. 25c.
Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated.	.....50c.	\$2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	.....\$0.25	\$1.00
Gymnocarpa	.....15	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	.....\$0.10	\$0.50

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue.	.....\$0.10	\$0.30
Alba, White	.....20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing; light blue	.....\$0.15	\$0.40
Erinus speciosa, deep blue; trailing	.....15	.50
Crystal Palace compacta.	.....30	1.50
Emperor William compacta.	.....25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select pikes under glass. Trade pkt. 60c., 1/2 oz. \$1.00, per oz. \$7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	.....\$0.10	\$0.50
Palustris Semperflorens, ever-blooming	.....25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball, Double. The finest double; pure white, 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. 1/2 trade pkt. 60c., trade pkt. \$1.00.

	Trade pkt.	Oz.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose.	.....\$0.25	
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.....50	
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped.	.....25	
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. \$1.00.	.....\$0.25	

PETUNIAS—Continued

	Trade pkt.	Oz.
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.....50	
Howard's Star. Rich crimson, with a distinct white star in center.	.....25	
Rosy Morn. Soft carmine pink.	.....25	
Snowstorm. Pure singlewhite.	.....25	
Hybrida, Single Mixed. Oz. 50c.	.....15	

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	.....\$0.10	\$0.25
Selaginoides. Foliage fine serrated	.....15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved.	.....\$0.40	\$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet	.....\$0.25	\$2.00
Splendens (Scarlet Sage)	.....25	1.00
Splendens. Ball of Fire. Very dwarf and early.	.....25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering 1/4 oz. \$2.00.	.....50	
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flowers	.....25	2.50
Splendens Carminea (new). Splendid rose carmine Dwarf	.....50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen.	.....50	
Splendens pendula. Drooping spikes	.....25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.....50	
Splendens, Zurich, 1/4 oz. \$1.50.	.....50	5.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	.....\$0.25	\$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye.	.....25	1.25
Boddington's Mammoth Blue.	.....25	1.25
Boddington's Mammoth Pink.	.....25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.....25	1.25
Boddington's White (Candidissima). Pure white.	.....25	1.25
Boddington's Striped. Many colors	.....25	1.25
Lemon (Aloysia citrodora).	.....25	2.00

VINCA

	Trade pkt.	Oz.
Alba, white	.....\$0.15	\$0.50
Rosea, rose	.....15	.50
Rosea alba, rose and white.	.....15	.50
Mixed	.....10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (Is now ready), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th STREET
NEW YORK CITY

ORCHIDS ORCHIDS

WE ARE HEADQUARTERS FOR ORCHIDS

We carry the most varied and complete stock on this continent

From the most insignificant yet highly interesting botanical species to the rarest and most beautiful of all ORCHIDS such as the unique *CATTLEYA GIGAS ALBA* worth many thousands of dollars each. The range between these extremes is very great but we have the gaps pretty well filled, hence we are in a better position than ever to supply your wants in orchids, and we respectfully solicit your orders and patronage for the coming year. We have a limited quantity of the following in FRESHLY IMPORTED stock which we offer, viz., *Vanda Coerulea*, *Oncidium varicosum Rogersii*, and *Cattleya gigas*, true *Hardyana* type from the same region from which we obtained our unique *Cattleya gigas alba* last May.

Also supplies such as Orchid Baskets, Live Sphagnum Moss, Books on Orchids, etc.

LAGER & HURRELL, SUMMIT, N. J.

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3¼-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardest varieties assorted: *Pteris Mayii*, *Wimsettii*, *Adiantoides*, *Aspidium Tsussimense*, *Crytomium falcatum*, etc. Strong plants, 2¼-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

A PRESENTATION.

On Saturday morning, December 24, a most interesting impromptu incident took place at the Boston Flower Exchange in which George W. Hayner, the popular assistant manager of the Flower Market, was made the recipient of fifty dollars in gold as a Christmas gift. The presentation was made by A. S. Parker of Stoneham, whose eloquence drew forth enthusiastic applause from the large crowd that had assembled. George's response was equally to the point as he expressed his appreciation of the unexpected gift. It was a well-merited compliment to an efficient and courteous official.

INCORPORATED.

Minneapolis, Minn.—Minnewashta Gardens Co., capital stock, \$50,000. Incorporators, I. B. Brown, J. P. Brown, of Excelsior and E. R. Lynch, of Minneapolis.

Savannah, Ga.—The W. J. Stephens Co., florists, capital stock, \$50,000. Incorporators, J. W. Mott, W. J. Stephens, W. W. Wilder and others.

Wenatchee, Wash.—Ephrata Nursery Co., capital stock \$5,000. Incorporators, R. F. Holm and Effie D. Holm.

Araucarias, Palms and Ferns

No argument needed. You know well who has the best of Araucarias. Even a child has heard of it. We have houses full of the choicest. **JUST LOOK!**

AN ARAUCARIA excelsa, 6-in. pots, 4, 5, and 6 tiers, 20 to 25 inches high, big as an Elephant, for only 75c. As big as a Jumbo for only \$1.00. As big as a Holy Terror for only \$1.25 to \$1.50.

ARAUCARIA robusta compacta, 6-in. pots, to beat the band, just in sizes you are looking for, \$1.25, \$1.50.

ARAUCARIA Excelsa Glauca won't stay behind the others. If you want something right handsome for your customers try either of them. Look! only \$1.25 to \$1.50, worth \$3.00 each.

LATANIA Borbonica, 6 inch pots, 30 inches high, 50c. and 75c.

KENTIA Belmoreana and Forsteriana, 6 and 7 inch pots, 25 to 50 inches high at 75c. and \$1.25, \$1.50 to \$2.00.

FERNS Nephrolepis, we have three houses full. *Whitmanii*, *Schoelzeli*, *Boston* and *Scottii*, 5½, 6 and 7 inch pots, 40c., 50c. and 75c. One as big as a bushel basket for only \$1.00. *Holly Ferns*, 4 inch, 25c.

Cash with order, please. All goods must travel at purchasers risk.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants,

1012 West Ontario St., Philadelphia, Pa.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Albans, England and 258 Broadway, Room 721 NEW YORK CITY

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US!

CARRILLO & BALDWIN, Manzanarock, New York.

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

ORCHIDS, AZALEAS, PALMS, LORRAINES, CROTONS

RUTHERFORD, N. J.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

WRITE FOR A COPY NOW

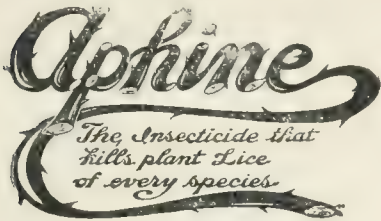
1911 CATALOGUE

Of ALPINE and HERBACEOUS PLANTS
(A Mine of Information)

JAMES BACKHOUSE & SON, Ltd.
YORK, ENGLAND

Do It Now!

Send 10 cts. to cover postage



Washington, D. C., Dec. 20, 1910.

"I beg to state that Aphine with me is doing all you claim for it. I find it invaluable in getting rid of scale and thrip on orchids."

(signed, George Field)

\$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible fungicide for mildew and other fungus diseases. Particularly adapted for greenhouse purposes.

A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon — 75c per quart

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

DAHLIA ROOTS

Whole Field Clumps - At \$5.00 per 100 and up. 10-15 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, -At \$2.00 per 100, \$12.00 per 1000 and up. *Send for List.*

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

SEED TRADE NOTES.

Dallas, Tex.—Bids are out for the erection of a three story and basement brick and concrete warehouse 100 x 175 feet to be built for the Texas Seed & Floral Co., to cost about \$50,000.

Augusta, Me., December 31.—Resolutions opposing the free distribution of seeds by members of Congress were

1911 NEW and RARE SHRUBS and VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

The E. G. Hill Co.
Wholesale Florists,
Richmond, Ind.

adopted by the Maine State Grange, in session here today. The resolutions declare that the distribution is a waste of money.

¶A good salesman is a valuable friend to a business man. He is a walking bureau of information and generally a very intelligent man. Often his time is worth more than that of the man he is selling—he comes perhaps only once a year—and always tries to wear a smile. Now the best hotel is a poor home, and the boys on the road usually deserve courteous treatment: yet the writer has met men who look upon them as a menace to their business, whereas they are a benefit. The successful salesman has no time to talk about others, he is a booster: he is not merely an order-taker, but a business-getter; he is aggressive; has strength of purpose; combines the interests of the house with those of his clients; and in general is a very capable man, and an indefatigable worker. He knows no hours for sleep until his business is done and he eats when he can; stands all kinds of climate and all kinds of people; and is a vital part of this business world of ours and a man worth your time to see.

¶We know there are some salesmen or order-takers in this business who are rum-guzzlers; and some are business beggars, the latter being principally foreigners; but there are good ones and there will be more as time flies. Horseshoe Brand salesmen are gentlemen, who have faith in their goods and the house, who have practical experience in the importing business, and who are absolutely independent men, that have "made good." They are selling the best there is and they know it, and those they do not reach, the mail does and we solicit business from all who want Horseshoe Brand Products.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK

Seed Trade

"A Bird," Found in the Ginger Jar!

Editor of HORTICULTURE:

Dear Sir:—The writer's ginger jar has not been opened much of late. The times have been so strenuous for honesty, all over the world, that there has been spice enough in our daily lives to suffice in the condiment line. But—there has been a lull for a while, and in sheer ennui, the ginger jar owner thought he might as well unscrew the lid and see if there wasn't a touch of something inside to relieve the monotony. Was there? There sure was! Pickled ginger? Yes! And also—A pickled Bird!—A CUCKOO!

We are not very strong on Natural History, and if we went into it much we might formulate as many mistakes as Oliver Goldsmith, and make the crocodile shed tears—as Oliver told us that bird did. But we are thoroughly posted on the cuckoo! Everybody is! The cuckoo is known the world over as "The Robber Bird." This comes from the fact that the cuckoo does not make a nest of its own; but appropriates that of some other bird. Not by open-and-above-board-robbor-methods, mind you, but by throwing out the legitimate eggs and making the victim raise the robber's progeny. The Cuckoo is also known as "The Echo Bird." It has no song to speak of; but it likes to speak it—and then,—listens to the circumambient atmosphere and thinks it hears cuckoo music—whereas it was only the song of the lark, (sky high) that was making glad the world.

The application of this piece of preserved natural history may be found in the efforts of a certain American horticultural magazine to befool its own nest, after having appropriated same from its legitimate owners—the seed trade of America. The seed trade of America were the pioneers in blazing the horticultural trail. Magazines came after. No magazine could exist without this previous cultivating of its field of usefulness. And no magazine can exist without the proper support of this same beneficent agency. The proper field for an American horticultural magazine is therefore as a helper of the American seed trade—an auxiliary;—cordial, loyal and sincere! But instead of that, what do we see in its latest pronouncements? Words to this effect:—

.....
The American Seed Trade that made
me and supports me is NO GOOD!
Come to my arms, O stranger, from
beyond the seas! I am the Cuckoo! I
will see that your Eggs are Hatched!
.....

We hear but few screams so far amongst the victims of this extraordinary "Robber Bird" but we fancy the "American Eagle" has a squawk or two left in him yet!

GEORGE C. WATSON.

P. S. Yes, "squawk" is right. The Eagle can't "scream" just at present. He's been hit by an axe in the hands of a lad called B. Arnold. But—you wait until he gets his second wind!

G. C. W.



The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS

STOCKS		BEGONIA GRACILIS	
	Tr. pkt. Oz.		Tr. Pkt.
Beauty of Nice, pink,	50c \$2.00	Rosea, pink,	\$0.30
Queen Alexandra, lavender,	50c \$2.00	Luminosa, scarlet,	0.40
Victoria, pure white,	50c \$2.00	Alba, white,	0.30

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co., 518 Market St., PHILA., - - PA.

Obligations and Limitations of the Seed Trade.

We clip from the New York Sun of December 13, the following communication which so admirably sets forth the facts which the public should know that we gladly give it space:

To the Editor of the Sun:

Sir:—Mr. Frederick S. Dickson's letter about the seed business in "The Sun" of December 8th is unfair. In the first place he does not quote the disclaimer with which all members of the seed trade have found it necessary to protect themselves from claims of cultivators who seemed to expect that the seed men ought to guarantee the crop. "If the purchaser," it is said in this disclaimer, "does not accept the goods on these terms (that is, without a warranty) they are at once to be returned." The seed trade non-warranty in this respect does not permit the substitution of onions for gladioli or potatoes for dahlias. The seed business is one of absolute confidence, and the seed man who does not supply his goods on that basis would be out of it in one season.

It would not be possible for any firm selling carnation seeds to guarantee, after the seeds left their hands and without personal knowledge of the ability of the gardener, either the germination or the growth of the plants after they germinated.

Regarding the mixing of dead seeds with live ones, most seeds are sold on a basis of percentage of growth in test trials under ideal conditions. The seed man who reduced the germination of the stock would be the direct loser.

As to specimens of clover seed which the writer says contained 10 per cent. of foreign seed, all clover seed is now marketed by sample, and the price charged accordingly. Farmers who produce clover seed work under no law regarding the uprooting of weeds growing in the crop, which is really the place to control weed seed distribution at its source. If certain varieties of weed seeds are grown and harvested in a clover crop it is impossible to remove by mechanical means.

Clover seed grown in many parts of Europe and America differs in hundreds of ways in purity, and any planter receiving seed from an American seed man which is not satisfactory on examination (even microscopic) has according to the rules of all reputable seed houses the right to return the seed at once, and the money which has been paid will be refunded.

Mr. Dickson leaves it to be inferred that the seed buyer can have no knowledge of the quality when he examines the seed, but practically speaking he has the same knowledge which the seed man has who is selling it, the use of his eyes and of the microscope and the opportunity of sprouting tests.

The seed and plant business in this country is in the main carried on under customs established for many years and based on securing and maintaining the absolute confidence of the trade. It cannot possibly be carried on on any other basis.

The accusations made by your correspondent where they imply intentional dishonesty touch at most only that very small minority of wrongdoers which can be

found even among ministers and professional men. J. C. VAUGHAN.
Chicago, December 9.

North Dakota State Association of Seedsmen.

The meeting of North Dakota State Association of seedsmen held at Fargo on December 15, was an interesting success, well attended, and will have a beneficial influence on the relations of the seed trade, the government inspectors and the farmers of the Northwest. The meeting was called by Oscar H. Will of Bismarck, and was for the purpose of discussing the conditions of work arising under the enforcement of the pure seed law. State Seed Commissioner H. L. Bolley and Assistant C. A. Stevens were present to explain such points as might arise and to aid the seedsmen in getting as clear-cut an idea and understanding of the various features as possible. The consensus of opinion was that the seed laboratory at the Agricultural College is able to do much for the seedsmen of the state. Some also expressed the wish that an effective noxious weed law might be put into operation to cover ground as indicated by the state seed law.

In his address before the meeting Mr. Bolley recommended that the seed men unite with those growers of the state who are able to produce clean, seeds of high quality, to form a state seed trade and state seed breeders' association. The members thought highly of this suggestion and it is probable that another meeting will be held in the near future to inaugurate this organization, possibly in affiliation with the Tri-State Grain Growers. Among those present at the meeting were: O. H. Will of Bismarck; T. Smith of Grand Forks; Harry Magill of Fargo; Orville Barnes of Grand Forks.

The Voice of the Charmer.

W. Atlee Burpee's annual Christmas remembrance to his legion of friends this year took the form of a paper weight adorned with a beautiful pansy portrait in colors surrounded by the legend, "Seeds That Grow." The other side of the paper weight is a plate glass mirror and an accompanying card expresses the hope that when the weight is turned "upside down" the reflection will be pleasing. Oh, you flatterer!

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" " 60c.;	" 4.00
Crimson	" " 60c.;	" 4.00
Canary Yellow	" " 60c.;	" 4.00
Dark Blue	" " 60c.;	" 4.00
Deep Blood Red.....	" " 60c.;	" 4.00
Apple Blossom.....	" " 60c.;	" 4.00
Rose	" " 60c.;	" 4.00
Light Blue	" " 60c.;	" 4.00
Scarlet	" " 60c.;	" 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-eum, Lilacinum, beautiful lilac, 60c. per 100, \$5.00 per 1000 seeds; Rococo, extra large fringed, 75c. per 100, \$6.00 per 1000 seeds.

VALLEY PIPS

Just In
Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,

42 Vesey St., New York

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. *Wholesale list now ready.*

S. D. WOODRUFF & SONS,

82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Established 1820

Thorburn's Bulls

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.61	Red Bird Millet, \$2.55
Ger. Bird Rape, \$3.50	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Lancaster, Pa., Dec. 23, 1910.

Please discontinue my advertisement in your valuable paper as I am all sold out.

FRED SCHELL & CO.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto. Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Detroit, Mich.—All Detroit florists have been more than usually busy for Christmas. As a general rule the call for high priced roses was much more frequent than in other years and the scarcity and consequent high price of carnations drove many a purchaser from carnations to roses. Violets at \$1.00 to \$5.00 per 100 at retail sold better this year than last year when the price was \$3.00 to \$4.00. Poinsettia was the natural favorite in cut flowers as well as pot plant. Red baskets well filled were great favorites and many an old pot cover and basket painted over in red and properly filled sold at a good price. Azaleas sold very well, although there were a good many more in the market than usual. A much appreciated novelty was the holly wreath trimmed with neatly made bells instead of ribbon.

STEAMER DEPARTURES

Allan.

Lake Erie, Boston-Glasgow..Jan. 6

American.

St. Louis, N. Y.-S'hampton..Dec. 31

Oceanic, N. Y.-S'hampton..Jan. 7

Anchor.

Furnessia, N. Y.-Glasgow..Jan. 7

Atlantic Transport.

Minnehaha, N. Y.-London...Dec. 31

Cunard.

Campania, N. Y.-Liverpool..Jan. 4

Carmania, N. Y.-Medit'r'n'n..Jan. 7

French.

La Lorraine, N. Y.-Havre..Jan. 5

Caroline, N. Y.-Havre.....Jan. 7

Hamburg American.

Cincinnati, N. Y.-Medit'r'n'n..Jan. 5

Amerika, N. Y.-Hamburg...Jan. 5

Holland-American.

Ryndam, N. Y.-Rotterdam..Jan. 3

North German Lloyd.

G. W'shington, N. Y.-Br'm'n..Jan. 3

Berlin, N. Y.-Mediterranean..Jan. 7

Red Star.

Kroonland, N. Y.-Antwerp..Jan. 4

White Star.

St. Louis, N. Y.-S'hampton..Dec. 31

Oceanic, N. Y.-S'hampton...Jan. 7

Buffalo, N. Y.—Wm. Belsey, florist at 13 Winter street, has gone out of business.

Moundsville, W. Va.—The florist business of H. Broemsen & Son has been discontinued.

NEW FLOWER STORES.

Eugene, Ore. — R. Rae, Risdon Block.

Redlands, Calif.—The City Nurseries, Corp., Citrus avenue.

Chicago, Ill.—C. L. Huffert, 4011 North avenue.

Chicago, Ill.—L. Hoechner, 3810 Grand avenue.

New York, N. Y.—The Riverside Florist, 3415 Broadway, James McAniney, proprietor.

Hartford, Conn.—The Quality Flower Shop, Main street.

New York, N. Y.—O'Laughlin Co., 63 East 59th street.

INTERNATIONAL FLORAL ASSOCIATION

Incorporated, \$50,000.00

277 Broadway - - - New York City

Organized for prompt and efficient service to all parts of the Civilized World.

TRANSACTS BUSINESS FOR MEMBERS ONLY.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Selling Merit! Intrinsic Value!

These are the qualities we promised you in our Holiday Goods. The record shows the result—**The Biggest December Business We Ever Did**—and now we are ready to take care of your mid-season wants. Quality and Price are our strong points. We have no competitors.

SEND FOR LIST OF GOOD SELLING SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

Charles C. Ball and Miss Sigrid Widell were married at Wakefield, Mass., on the evening of Dec. 3rd.

Chas. W. Scott and Mrs. Scott, of the New York office of the Yokohama Nursery Co., sailed for Bermuda on December 21.

Thos. Windram of Cold Springs, Ky., left on Wednesday, Dec. 28, for a two weeks' visit to his asparagus farm at Leesburg, Fla.

Miss Ivy Wheeler, daughter of James Wheeler, Natick, Mass., was married to Wm. J. Arbus, of Dorchester, Dec. 15th.

Harry Turner, superintendent of the Castle Gould Estate, sailed on December 19th to spend his Christmas at his former home in England.

Howard Evarts Weed is engaged in the laying out of a large cemetery at

LOCATING THE TROUBLE.



Man in the Chair—"There is no doubt about it; the department stores are killing the florist trade."

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 **SEATTLE, WASH.**
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England postage

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3

Portland, Ore., and will not be back in Chicago for several months. He will probably retain an office in both cities.

A cablegram received by Prof. Sargent on December 23, from E. H. Wilson, in China, states that he is nearly well. This is cheering news and it is safe to say that Santa Claus brought no more welcome gift to Professor Sargent.

Herman H. Bartsch, who has been foreman for years for the W. W. Edgar Co., at Waverley, Mass., has been admitted as a stockholder in the corporation. This is a well-merited recognition. Mr. Bartsch is one of the most skillful growers for the Boston plant business and his industry and devotion to the interests of the establishment under his care during the illness and since the death of the late Mr. Edgar has placed him high in the regard of the Boston trade.

Visitors in Boston: Wallace R. Pierson, Cromwell, Conn.; Ex-Mayor Cutler, Niagara Falls, N. Y.

Toledo, Ohio.—Frederick C. Shaal, as assignee of the Schoen Floral Co., has filed his report in probate court showing the total amount of cash received by him, \$697.40; total disbursements, \$166.07; total amount of proved claims, \$1,048.28; uncollected accounts, \$298.13.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Hards, N. E. cor. 44th St. and Madison Ave.
New York—International Floral Assn., 271 Broadway.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

The address of the International Floral Association has been changed from 1328 to 277 Broadway, New York.

VALLEY
 Very choice
 \$4.00 per 100

Sweet Peas
 Long stems—good stock
 \$1.00-\$1.50 per 100

Narcissus
 \$3.00-\$4.00 per 100

When in the market for Beauties, write to us, we will quote you attractive prices.

BUSINESS HOURS: 7 A. M.—8 P. M.

The Leo Niessen Co.
WHOLESALE FLORISTS
 1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU want to find a market for your product
 want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.

WELCH BROS.
 AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
 226 Devonshire Street, Boston, Mass.

CHAS. W. McKELLAR
 51 WABASH AVE., CHICAGO
 Western Headquarters for Choice Orchids
 Valley, Roses and all Cut Flowers

PETER REINBERG
 WHOLESALE
CUT FLOWERS
 37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.
 33-35-37 Randolph St., - CHICAGO
CUT FLOWERS
 Greenhouses, - Morton Grove, Ill.

George B. Hart
 WHOLESALE
 FLORIST
 24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.
 WHOLESALE COMMISSION FLORISTS
 CONSIGNMENTS SOLICITED
 Special attention given to shipping orders.
 Jobbers of Florists' Supplies, Seeds and Bulbs. :: Price list on application.
 Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers
 Wholesalers of Cut Flowers and Florists' Supplies
Minneapolis, Minn.

In ordering goods please add "I saw it in HORTICULTURE."

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100										TO DEALERS ONLY												
		CHICAGO		TWIN CITIES		PHILA.		BOSTON				CHICAGO		TWIN CITIES		PHILA.		BOSTON				
		Dec. 27		Dec. 27		Dec. 27		Dec. 29				Dec. 27		Dec. 27		Dec. 27		Dec. 29				
ROSES																						
Am. Beauty, Fancy and Special...		60.00	to	75.00	85.00	to	100.00	35.00	to	50.00	50.00	to	75.00	40.00	to	60.00	20.00	to	30.00	25.00	to	40.00
" Extra.....		40.00	to	60.00	60.00	to	80.00	20.00	to	30.00	25.00	to	40.00	10.00	to	20.00	15.00	to	25.00	10.00	to	15.00
" No. 1.....		25.00	to	40.00	40.00	to	60.00	15.00	to	20.00	10.00	to	15.00	5.00	to	10.00	4.00	to	6.00	3.00	to	5.00
" Lower grades.....		10.00	to	15.00	20.00	to	40.00	10.00	to	15.00	6.00	to	8.00	4.00	to	6.00	3.00	to	4.00	2.00	to	3.00
Bride, 'Maid, F. & S.....		10.00	to	12.00	10.00	to	15.00	8.00	to	10.00	6.00	to	10.00	4.00	to	6.00	3.00	to	4.00	2.00	to	3.00
" Lower grades.....		5.00	to	8.00	6.00	to	10.00	4.00	to	6.00	3.00	to	5.00	2.00	to	3.00	1.50	to	2.00	1.00	to	1.50
Killarney, Richmond, Fan. & Sp...		12.00	to	15.00	15.00	to	20.00	15.00	to	20.00	10.00	to	16.00	8.00	to	12.00	6.00	to	10.00	5.00	to	8.00
" Lower grades.....		6.00	to	10.00	10.00	to	15.00	4.00	to	6.00	4.00	to	6.00	3.00	to	5.00	2.00	to	3.00	1.50	to	2.00
Maryland, Chateau, Fan. and Sp.		10.00	to	12.00	10.00	to	15.00	10.00	to	15.00	6.00	to	12.00	4.00	to	6.00	3.00	to	4.00	2.00	to	3.00
" Lower grades.....		5.00	to	8.00	6.00	to	10.00	4.00	to	6.00	4.00	to	6.00	3.00	to	4.00	2.00	to	3.00	1.50	to	2.00
CARNATIONS, First Quality..																						
" Ordinary.....		3.00	to	4.00	6.00	to	8.00	5.00	to	5.00	2.00	to	3.00	2.00	to	3.00	1.00	to	1.00	1.00	to	1.00
MISCELLANEOUS																						
Cattleyas.....		75.00	to	100.00	100.00	to	150.00	.....	to	75.00	50.00	to	75.00	20.00	to	25.00	.....	to	15.00	.....	to	15.00
Cypripediums.....		20.00	to	25.00	20.00	to	30.00	.....	to	15.00	.....	to	15.00	15.00	to	20.00	12.50	to	15.00	.....	to	15.00
Lilies, Longiflorum.....		15.00	to	20.00	12.50	to	15.00	.....	to	15.00	8.00	to	12.00	3.00	to	4.00	4.00	to	5.00	3.00	to	4.00
Lily of the valley.....		3.00	to	4.00	4.00	to	5.00	3.00	to	5.00	2.00	to	4.00	1.50	to	2.00	1.50	to	2.00	1.00	to	1.50
Violets.....		1.50	to	2.00	1.50	to	2.00	1.00	to	1.50	.75	to	1.00	1.00	to	2.00	.....	to	1.00	.....	to	1.00
Daisies.....		1.00	to	2.00	.....	to	1.00	2.00	to	3.00	.....	to	1.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
Snapdragon.....		.....	to	1.00	.....	to	1.00	15.00	to	20.00	6.00	to	8.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
Sweet Peas.....		1.00	to	2.00	2.00	to	2.50	1.00	to	1.50	.50	to	.75	.....	to	1.00	.....	to	1.00	.....	to	1.00
Roman Hyacinths, Paper Whites.....		3.00	to	4.00	.....	to	3.00	.....	to	4.00	1.00	to	2.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
Gardenias.....		50.00	to	75.00	40.00	to	50.00	25.00	to	40.00	30.00	to	50.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
Adiantum.....		.....	to	1.00	8.00	to	15.00	1.00	to	1.50	1.00	to	1.50	.....	to	1.00	.....	to	1.00	.....	to	1.00
Smilax.....		12.00	to	15.00	16.00	to	20.00	15.00	to	20.00	8.00	to	12.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
Asparagus Plumosus, strings (100)		50.00	to	75.00	60.00	to	70.00	50.00	to	75.00	.....	to	50.00	.....	to	1.00	.....	to	1.00	.....	to	1.00
" " & Spreng. (100 bchs.)		35.00	to	60.00	25.00	to	35.00	.....	to	50.00	.....	to	35.00	.....	to	1.00	.....	to	1.00	.....	to	1.00

The Largest Florists' Supply House in New England
 Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.
HENRY M. ROBINSON & CO., 15 PROVINCE STREET, BOSTON, MASS.
 9 CHAPMAN PLACE.

J.A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 WHOLESALE CUT FLOWERS
 Roses and Carnations A Specialty.....

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK
 Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers
WILLIAM F. KASTING CO. 383-387 Ellicott Street BUFFALO - N. Y. WHOLESALE FLORISTS
ROBERT J. DYSART Public Accountant and Auditor
 Simple methods of correct accounting especially adapted for florists' use.
 Books Balanced and Adjusted
 Merchants Bank Building
 28 STATE STREET - BOSTON
 Telephone, Main 58.

Flower Market Reports

(Continued from page 940)

The cut flower PHILADELPHIA trade in this city was not as good as last year. Friday preceding the holiday saw an unprecedented tumble in prices of roses, which was a grievous disappointment and from which there was no possibility of a rally. While the volume of business was larger than ever before, the prices were much lower all through. We worked harder and got less. American Beauty roses were in good supply and of fine quality; other roses the same. But alas! No matter how good! there was the other fellow with better. Where they all came from is a mystery; but there certainly was a power of them—not only locally but in the interior. The usual demand from the interior came not. The interior seemed to be satisfied with its home prophets. People who used to order from \$500 to \$1,000 worth of cut flowers at a clip, wouldn't even look at Philadelphia this year. The only things that held their own were carnations, cattleyas and gardenias. We hate to tell this doleful tale, but! The retailers were not slow to express their glee over the course which prices took. They seemed to regard it as evidence that things were coming their way but, naturally, what is bad for the foundation is bad for the superstructure, and their attitude appears short-sighted from the standpoint of the producer and wholesale agent. On the other hand, the boosting of prices by the grower is equally reprehensible. The buyers are scared off and into the lap of those who make lovely plant baskets at reasonable prices for Christmas! Our advice is to "forget it" and try to make prices very much the same at Christmas as before—and after that date make things on an even keel so that the buyer will not be scared off. If you hold him today—at a loss—you may make a million out of him before you are through! Abnormally high prices at Christmas to make up for losses at other seasons of the year is a mistake. We had better content ourselves with an equilibrium—"a square deal" for the consumer. By the way, there is no talk about "salting" any more in the cut-flower business. They call it "massing of crops," nowadays!

The florists in St. LOUIS are all well satisfied with their Christmas business and from what can be learned thus early the sale in plants exceeds that of cut flowers. The weather was fine and buyers seen out in full force all week long, and we must say that this Christmas seems to total some considerable advance over last year's record. The plants that sold best were poinsettias above all, Gloire de Lorraine begonias and azaleas. Of these the up-town florists had a big supply which sold at sight at good prices. At the wholesale houses the cut stock that came in was of extra good quality and sold at prices not as high as was expected. The supply in roses was especially large in all varieties except red. Long fancy Beauties topped at \$9 per dozen, others from \$4 to \$6. Other roses brought from \$10 to \$12 per 100 for fancy—not high considering reports from other places. Carnations sold clean up in

New Year Specials

Will close at noon
Monday, January 2nd

Rose Special

In lots of 200 or over, our selection; medium stems and also a good proportion of long stems; choice varieties
\$6.00 per 100

Carnation Special

We offer as a special for this week in lots of 500 or over at
\$6.00 per 100

☛ The above are splendid values at prices asked
Order a trial box and be convinced.



We are especially strong at present on all grades of
BEAUTIES KILLARNEYS RICHMONDS
CUT POINSETTIAS WHITE LILAC
GARDENIAS VALLEY ORCHIDS

Write us for prices



S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Avenue
EXCLUSIVE FLORISTS RIBBONS AND SUPPLIES

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
ROSES	Dec. 20		Dec. 27		Dec. 27		Dec. 27	
Am. Beauty, Fan, and Sp.....	35.00	to 50.00	50.00	to 60.00	50.00	to 75.00	75.00	to 80.00
" Extra.....	30.00	to 35.00	40.00	to 50.00	30.00	to 40.00	40.00	to 60.00
" No. 1.....	20.00	to 30.00	32.00	to 40.00	15.00	to 20.00	20.00	to 30.00
" Lower grades.....	8.00	to 20.00	8.00	to 25.00	6.00	to 10.00	8.00	to 12.00
Bride, 'Maid, F. & S.	6.00	to 8.00	10.00	to 14.00	12.00	to 15.00	10.00	to 12.00
" Low. gr.....	4.00	to 5.00	5.00	to 10.00	6.00	to 10.00	4.00	to 8.00
Killarney, Richmond, Fan. & Sp.	8.00	to 10.00	10.00	to 15.00	12.00	to 15.00	16.00	to 20.00
" Lower grades.....	4.00	to 6.00	5.00	to 10.00	6.00	to 10.00	6.00	to 10.00
Maryland, Chateauf, Fan, and Sp.	8.00	to 10.00	4.00	to 8.00	12.00	to 15.00	10.00	to 15.00
" Lower grades.....	4.00	to 6.00	10.00	to 12.00	0.00	to 10.00	6.00	to 8.00
CARNATIONS, First Quality.....	4.00	to 5.00	6.00	to 8.00	5.00	to 6.00	.....	to 6.00
" Ordinary.....	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	3.00	to 4.00
MISCELLANEOUS								
Cattleyas.....	.....	to 50.00	100.00	to 150.00	80.00	to 100.00	75.00	to 100.00
Cypripediums.....	.....	to 12.00	12.00	to 15.00	12.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	10.00	to 12.50	15.00	to 20.00	12.00	to 15.00	.....	to 15.00
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00
Violets.....	.35	to .50	1.00	to 2.00	1.00	to 1.50	1.00	to 2.00
Daisies.....	.....	to 1.00	1.00	to 2.00	.....	to 1.50	1.50	to 3.00
Snapdragon.....	2.00	to 6.00	4.00	to 10.00	.....	to 10.00	.....	to 10.00
Sweet Peas.....	.....	to .50	1.00	to 2.00	.75	to 1.00	.75	to 1.50
Roman Hyacinths, Paper Whites..	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Gardenias.....	.....	to 40.00	40.00	to 60.00	40.00	to 60.00	50.00	to 75.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.50
Smilax.....	10.00	to 15.00	15.00	to 20.00	.....	to 15.00	.....	to 20.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	25.00	to 35.00	25.00	to 50.00	30.00	to 50.00
" " & Spreu. (100 bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00	30.00	to 50.00

all varieties at from \$6 to \$8 per 100 for fancy goods. Poinsettias, cut, from \$3 to \$4 per dozen. The prices on violets went down early, as the supply was too large for the demand at prices asked—\$1.50 per 100 for the very best. All bulb stock sold well this year, as there was a scarcity for the first time. Lily of the valley,

stevia, lilies and sweet peas moved well at all times. Retailers all say they had a big increase in business but with prices lower than at any Christmas in years. All had exceptionally fine window decorations this year. Holly, green wreathing and mistletoe had a big call.

(Continued on page 951)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

'Phone 2336-3357 Mad. Sq. Greenhouses Forest Hill, N. J.
KESSLER BROS.
WHOLESALE PLANTSMEN AND FLORISTS
136-138 West 28th Street, NEW YORK

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone-3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4468
Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 24 1910		First Half of Week beginning Dec 26 1910	
American Beauty, Fancy and Special.....	50.00	to 75.00	35.00	to 50.00
" " Extra.....	30.00	to 40.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	5.00	to 10.00	5.00	to 8.00
Bride, 'Maid, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	2.00	to 5.00
Killaryney, Richmond, Fancy and Special.....	15.00	to 25.00	10.00	to 16.00
" " Lower Grades.....	3.00	to 10.00	3.00	to 6.00
My Maryland, Chateaux, Fancy and Special.....	6.00	to 16.00	6.00	to 12.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 5.00
Carnations, First Quality.....	6.00	to 10.00	4.00	to 6.00
" " Ordinary.....	2.00	to 4.00	2.00	to 2.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1665} Madison Square CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

A. MOLTZ & CO.**Wholesale Florists**

A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites

**MICHIGAN CUT FLOWER EXCHANGE, Inc.****WHOLESALE COMMISSION FLORISTS**

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

Flower Market Reports

(Continued from page 949)

NEW YORK Christmas week opened up with a discouraging outlook.

Plenty of roses and a sluggish demand, every attempt to advance prices was met with determined opposition from the buyers, and they were none too plentiful so that when local business began Saturday morning, with the great quantity of stock there seemed to be no standard of values; it was a question of selling at any price in some cases. There was a large supply of Beauties and all the choicest stock were sold, some extra choice going as high as a dollar, though the great quantity were quoted at from 75 cents downward. The price varied considerably during the day and night and it is doubtful whether a 75 cent average was possible even when the stock was of A1 quality for many brought 50 cents only and, if not good, much less. Richmond was not overabundant and cleaned up well at prices ranging from \$3.00 to \$30.00. There were a limited number of very long-stemmed blooms that exceeded these figures. Killarneys were to be seen everywhere. The cut was large and thousands were sold and it is said that thousands remained unsold when the holiday was over. Prices ruled lower than was expected. There never were so many special-grade Killarneys and Marylands in the market for a holiday—so many that the long-stemmed stock was common and the cheapest buyers possessed it at practically their own figures. The price range was from \$3.00 to \$12.00 with a small number at \$15.00. There was no stability to prices—there could not be with so large a supply. Bridesmaids and Brides did fairly well, considering the competition with other roses. They sold anywhere between \$2.00 and \$12.00 with an exceptional sale of something superior at \$15.00. White roses of all varieties did not sell. Carnation were not particularly heavy in supply, but were affected more or less by general conditions; while they sold very well the demand was not keen above a certain price. Red, as usual, realized a higher figure than other colors and white moved slowly and many were left on hand. The violet situation was complicated by delayed deliveries, the big shipments not reaching the market until about one o'clock in the morning. Not all of these were sold—in fact, many of them found their way into the hands of the street peddlers. There was a large and fine lot of cattleyas available; they were in general de-

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Dec. 24 1910		First Half of Week beginning Dec. 26 1910	
Cattleyas.....	35.00	to 100.00	35.00	to 75.00
Cypripediums.....	8.00	to 10.00	8.00	to 10.00
Lilies, Longiflorum.....	8.00	to 12.00	6.00	to 8.00
Lily of the valley.....	2.00	to 4.00	2.00	to 4.00
Violets.....	.50	to 1.25	.50	to 1.00
Snapearagon.....	3.00	to 6.00	3.00	to 6.00
Daisies.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	4.00	to 10.00	4.00	to 10.00
Roman Hyacinths, Paper Whites.....	1.00	to 2.00	1.00	to 1.50
Gardenias.....	25.00	to 50.00	25.00	to 50.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreu (100 bchs).....	15.00	to 25.00	15.00	to 25.00

mand but not to the extent of exhausting the supply. After all was over there were still some more; prices, 35 to 75 cents, some specials \$1.00 apiece. The call for gardenias used up all of them early in the day; that is to say—all that were good; Lily of the valley was in generous supply, quality excellent, and cleaned up fairly well. Many more poinsettias were shipped in than were wanted and as these flowers are bought only to fill orders the retail man does not carry more than samples in stock. Paper whites were seen everywhere and moved at low prices. There was plenty of stevia and green stock.

To sum up, it is a fact that an enormous quantity of flowers was disposed of in this market—possibly more than ever before and practically all of it was consumed locally, the shipping trade counting for nothing here. The consensus of opinion on all sides is that the day of high prices for all tea roses has passed and it is worse than fruitless to try to perpetuate it. The leading retail dealers gave their best efforts to the sale of plants, the interest displayed in cut flowers being inconsiderable, except as to Beauties, cattleyas and gardenias—all of which are in lively demand on a holiday. Next to these in demand came red roses and red carnations. It would appear that the encroachment of the plant trade on the flower department in the retail stores has, however, about reached its limit and some of the leading retailers assert that the cut flower sales this year exceeded that of any recent season.

The retail houses all report increased business on the whole and are very happy, while on the other hand, the wholesale dealers are far from jubilant. One prominent retail dealer says this has been the most prosperous Christmas in his history, far exceeding last year's record. It appears that the best selling plants in fashionable sections

were orchids; they could not get enough orchid plants in flower. This does not include cypripediums, but cattleyas, vandas, oncidiums, phalaenopsis, anything large and showy, cattleyas being the most popular. Next to orchids in popularity came the large anemone-flower type of camellias of bright colors, then all along down the line of Christmas plants everything went well, the only poor sellers being araucarias and Begonia Gloire de Lorraine in large sizes. There was an especially strong demand for imported well-berried holly trees, including the golden and silver hollies.

**KRICK'S FLORIST NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.
1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply House

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ALTERNANTHERAS

Alternantheras, red and yellow. Rooted cuttings, 50c. 100, \$4.50 1000; 2 1/4 in., strong, 2c. Cash or will exchange. A. G. Larson, Galva, Ill.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
Asparagus Sprengeri, strong, 2 1/4 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
A. N. Pierson, Cromwell, Conn.
1911 Catalogue.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.
Begonia Lorraine, 2 1/2 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

REX BEGONIAS

My specialty. Largest collection, \$5.00 per 100, \$45.00 per 1000; 250 at 1000 rate.
B. C. BLAKE,
Springfield, Ohio, Lox Box 817.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.
Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.
Box Trees all sizes. Ask for special list.
Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
For page see List of Advertisers.
J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.
A. T. Boddington, 342 W. 14th St., N. Y.
For page see List of Advertisers.
Rickards Bros., 37 East 19th St., New York.
For page see List of Advertisers.
Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.
T. J. Grey & Co., 32 and 33 So. Market St., Boston.
For page see List of Advertisers.
Yokohama Nursery Co., 31 Barclay St., N.Y.
For page see List of Advertisers.
Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand
For page see List of Advertisers.
"Buds." New York, N. Y.
For page see List of Advertisers.
James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.
The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
John Lewis Childs, Floral Park, N. Y.
Home-Grown Bulbs.
For page see List of Advertisers.
Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.
E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

BURLAP MATS

Wm. Elliott & Sons, New York, N. Y.

CANNAS

Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
BEST CANNAS IN THE WORLD.
Send for our new lists of latest and best 55 kinds. Stock excellent, prices right
Conard & Jones Co., West Grove, Pa.
CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
F. Dorner & Sons Co., Lafayette, Ind.
Two New Carnations.
For page see List of Advertisers.
Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
For page see List of Advertisers.

CARNATIONS—Continued

Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
Unrooted Lawson, Red Lawson, Carnegie, Variegated Lawson, Lloyd, Harlowarden, \$5.00 per 1000, prepaid. Ehmanns, Corfu, N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.
Send for list of stock plants, single, pom-pom and standard varieties, \$3.00 per 100 Ehmanns, Corfu, N. Y.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000 PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early Snow, Polly Rose, Kalb, Touse, Poehlmann, Eaton, Nonin, Baby Margaret, Pacific Supreme, Gloria, Liger, Duckham, M. F. Plant, Maud Dean, Leo (Pink Pompon), Shrimpton, Cullingfordii, Golden Glow, Monrovia, Georgianna Pitcher, Yellow Eaton, Col. Appleton, Golden Wedding, etc., \$4.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 75c. per doz, \$6.00 per 100; Mrs. Wm. Wincott (White) and Mrs. Wm. Peacock (Pink), 1910 Novelties, \$2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.
Coleus, 2 1/2 inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.
Coleus, Golden Bedder and Verschaffeltii, strong cuttings, 60c. per 100; \$5.00 per 1000. Cash. A. G. Larson, Galva, Ill.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.
Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Converse Greenhouses, Webster, Mass.
For page see List of Advertisers.
John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 957

CYCLAMEN—Continued

Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the journals last spring. Cultural directions with every order. Christ, Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Herbert, Acto, N. J.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridge-water, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.

For page see List of Advertisers.

EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.

For page see List of Advertisers.

FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechsli, 4911 Quincy Street, Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

1911 Catalogue.

For page see List of Advertisers.

3000 Boston and Piersoni Ferns, fine,

strong, healthy plants; extra heavy, long

fronds; from bench, 5-in., 25c.; 6-in., 35c.;

7 and 8-in., 50c. to 75c. Finest plants in

state for making up. Cash. A. G. Lake,

Wellesley Hills, Mass.

Anderson's ferns for in and outdoors.

Largest commercial collection in the coun-

try. Ask for descriptive catalogue. J. F.

Anderson, Fern Specialist, Short Hills, N.J.

FERNS—Continued

Neph. Whitmanii, 2¼-inch pot, \$3.50 per 100, \$30.00 per 1000. Scottii, 2¼-inch, \$4.00 per 100, \$35.00 per 1000; strong runners from the bench. Runners from bench, Whitmanii and Scottii, \$15.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

P. Shenahan, E. Watertown, Mass.

Cow Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

Feverfew, double white from 2-inch pots, \$2.50 per 100, \$20.00 per 1000. Adolph E. Koch, Nobscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

For page see List of Advertisers.

FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

For page see List of Advertisers.

M. Rice & Co., 1220 Race St., Phila., Pa.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa.

For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.

For page see List of Advertisers.

FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Syracuse Pottery Co., Syracuse, N. Y.

For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O.

For page see List of Advertisers.

FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants,

\$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-

way, Detroit, Mich.

For page see List of Advertisers.

Kervan Co., New York.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.

For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

B. E. Wadsworth, Danville, Ill.

Rooted Cuttings.

For page see List of Advertisers.

F. Schell & Co., Lancaster, Pa.

Geranium Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

4000 Mrs. Francis King, extra size, 1½ to 2½-in., \$22.00 per 1000 net. E. E. Stewart, Rives Junction, Mich.

Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

Gladioli Alice Carey, best white; America, best pink; King Humbert and other choice named varieties. Fine mixture, No. 1, \$6.00 per 1000; \$50.00 per 10,000. E. Y. Teas & Son, Centerville, Ind.

GLASS

Boston Plate & Window Glass Co., Boston

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury

St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between

25th and 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber

Sts., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave.,

Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metro-

politan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-

ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-

house Glass, Lord & Burnham Co., 1133

Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham

Co., 1133 Broadway, N. Y. Special Glazing

Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder,

4515 D St., Philadelphia, Pa. Large breed-

ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,

Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk

St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

For page see List of Advertisers.

S. Jacobs & Sons, 1359-63 Flushing Ave.,

Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Chas. H. Dodd, Jersey City, N. J.
For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
For page see List of Advertisers.

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

Rice Bros., Minneapolis, Minn.
For page see List of Advertisers.

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

HELIOTROPE

Heliotrope, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

HYDRANGEAS

10,000 Hydrangea Otaka, pot grown, 4 in., \$8.00 per 100; 2 in., \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.

Stump & Walter Co., New York.
Kilnhead Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.

E. H. Hunt, Chicago, Ill.
To-Bak-ine Products.
For page see List of Advertisers.

H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.

IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Ivy, rooted cuttings, 100 prepaid, English, \$1.00; German, 50c. Chas. Frost, Kenilworth, N. J.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.

For page see List of Advertisers.

LEMON VERBENA

Lemon Verbena, rooted cuttings, 100 prepaid 75c. Chas. Frost, Kenilworth, N. J.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

LILY OF THE VALLEY

J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.
For page see List of Advertisers.

MESEMBRYANTHEMUMS

Mesembryanthemums, 2 1/4 and 2 1/2 in., 2 1/2c. and 3c. These are nice big plants ready for 3 and 4 in. pots. Blooms as large as carnations. Will exchange for ferns and heliotropes. A. G. Larson, Galva, Ill.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

NURSERY STOCK—Continued

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
For page see List of Advertisers.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

BERBERIS THUNBERGII. New clean SEED, \$1.75 per lb.; STRATIFIED, \$1.00 per lb.; CLEMATIS PANICULATA, \$2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
For page see List of Advertisers.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

For List of Advertisers See Page 957

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100.
Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 13 Midway St., Boston.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Teelless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

PLANTS WANTED

Bloomingtondale Bros., New York, N. Y.
For page see List of Advertisers.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

Primulas Chinese, fine plants, 2½ in.,
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
For page see List of Advertisers.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbin & Atkins, Rutherford, N. J.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia,
Pa.
For page see List of Advertisers.

ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Ellwager & Barry, Rochester, N. Y.
Blue Rambler Rose.

For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.
Rose Queen, H. T.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside
Greenhouses, Barberton, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Stock and Begonia Seeds.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
Boston Flower Market Stock.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Skudelny & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.

"Buds," New York, N. Y.
Cyclamen Seed, Extra Valley Pips.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Hjalmar Hartmann, Copenhagen, Denmark.
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Miami Valley Seed Co., New Carlisle, Ohio.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers,
fine plants, mixed and in colors, \$2.00 per
100; \$5.00 for 300. J. C. Schmidt, Bristol,
Pa.

Snapdragons—Rose Pink, Light Pink and
White, from 2-inch pots, \$2.50 per 100,
\$20.00 per 1000. Adolph E. E. Koch, Nob-
scot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIRAEA

Spiraea Gladstone, for forcing, excellent
stock, \$1.25 per doz.; \$9.00 per 100. Currie
Bros. Co., 312 Broadway, Milwaukee, Wis.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25
per 100; \$20.00 per 1000. Williams & Clark,
Muncie, Ind.

VENTILATING APPARATUS

Pleron U-Bar Co., 1 Madison Sq., N. Y.
For page see List of Advertisers.

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VIOLET BLOOMS

Marie Louise Violet Blooms, A No. 1
quality, ready now, \$1.50 per 100. Christ-
mas week, \$1.75 per 100. Cash with order
please. C. Lawritzen, Box 261, Rhinebeck,
N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Welch Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Chas. W. McKellar, 51 Wabash Ave.
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave.
For page see List of Advertisers.

Hoerber Bros., Atlas Block, 51 Wabash Ave.
For page see List of Advertisers.

Poehlmann Bros. Co., Moulton Grove, Ill.
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
For page see List of Advertisers.

Cromwell, Conn.

A. N. Plerson, Cromwell, Conn.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

KILMDEAD
The best of all
the tobacco
dusts for



Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stump & Walter Co. 50 Barclay St., New York. 6

**WHOLESALE FLORISTS—
Continued
New York**

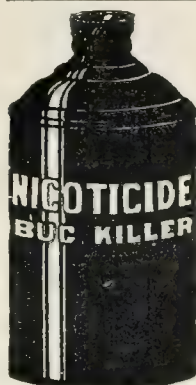
- M. C. Ford, 121 W. 28th St., New York.
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- August Millang, 41 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- J. K. Allen, 106 W. 28th St., New York.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Silnn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.
- Kessler Bros., 136-138 West 28th St., N. Y.
For page see List of Advertisers.
- Siebrecht & Siebrecht, 136 West 28th St., New York.
For page see List of Advertisers.
- Philadelphia**
- Leo. Nlessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

**WHOLESALE FLORISTS—
Continued
Richmond, Ind.**

- E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.
- Rochester, N. Y.**
- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.

FRESHLY IMPORTED ORCHIDS.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

JACK FROST MATS.

Wm. Elliott & Sons, New York.
For page see List of Advertisers.

LETTER TO FLORISTS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW IRISH ROSE MELODY.

Robert Scott & Sons, Sharon Hill, Pa.
For page see List of Advertisers.

NEW YEAR GREETINGS.

M. Rice & Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW YEAR SPECIALS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

QUALITY SEEDS FOR FLORISTS.

Arthur T. Riddington, New York, N. Y.
For page see List of Advertisers.

SPRING BULBS.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

1911 CATALOGUE OF ALPINE AND HERBACEOUS PLANTS.

James Backhouse & Son, Ltd., York, England.
For page see List of Advertisers.

**NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID**
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STOOFF CO. MOUNT VERNON, N. Y.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

List of Advertisers

	Page		Page
Advance, The Co.	959	Intern't'l Floral Association	946
Allen, J. K.	950	Kasting, W. F.	948
American Nursery	928	Kentucky Tobacco Product Co.	956
Aphine Mfg. Co.	943	Kervan Co.	951
Aschmann, G.	942	Kessler Bros.	950
Backhouse, Jas.		King Cons. Co.	959
& Son.	943	Krick, W. C.	951
Badgley, Reidel		Kroeschell Bros.	959
& Meyer.	950	Kuebler, W. H.	951
Barnard, W. W.		Lager & Hurrell.	942
Co.	945	Langjahr, A. H.	950
Barrows & Son.	926	Lawrence, H. V.	946
Bayersdorfer, H.		Leonard Seed Co.	945
& Co.	947	Leuthy, A. & Co.	926
Bay State Nursery	928	Long, W. H.	946
Beaven, E. A.	951	Lord & Burnham	960
Bloomingtondale Bros.	926	MacMulkin, E.	946
Bobbinck & Atkins	928	Matthews	946
Boddington, A. T.	941	McCarthy, N. F.	951
Bolgiano, J. & Son	945	McConnell, Alex.	946
Boston Florist Letter Co.	951	McCray Refrigerator Co.	947
Boston Plate & Window Glass Co.	959	McCullough's, J. M. Sons Co.	948
Braslan Seed Co.	945	McKellar, C. W.	948
Breck, J. & Son.	945	McKenzie, J.	927
Breitmeyer's, J. Sons	946	McManus, Jas.	950
Bridgeman's Seed Warehouse	945	Metropolitan Maternal Co.	959
Budlong, J. A.	948	Miami Valley Seed Co.	945
"Buds"	945	Michell, H. F.	937-944
Bupee, W. A. & Co.	945	Michigan Cut Flower Ex.	951
Buxton, Doane Co.	959	Millang, A.	950
Carrillo & Baldwin	942	Millang, Chas.	950
Chicago Carnation Co.	927	Millang, F. S.	950
Childs, John		Miller, E. S.	926
Lewis	926	Moltz, A. & Co.	951
Clarke's, D. Sons	946	Moninger, J. C.	959
Converse Greenhouses	927	Moore, Hentz & Nash	950
Cowee, W. J.	951	Morse, C. C. & Co.	945
Craig, Robt. Co.	926	Murray, Samuel.	946
Crawback, G. W.	950	N. E. Nurseries.	928
Dards	946	Nicotine Mfg. Co.	956
Dawson, H. S.	928	Niessen, Leo Co.	948
Dodd, Chas. H.	959	Oechslin, Frank.	927
Dorner & Sons Co.	927	Ordenez Bros.	942
Dreer, H. A.	958	Ouwwerker, P.	928
Dysart, R. J.	948	Palethorpe, P. R. Co.	956
Dunlop, John H.	946	Palmer, W. J. & Son	946
Eastern Nurseries	928	Park Floral Co.	946
Edwards Folding Box Co.	948	Parshelsky Bros.	958
Ellwanger & Barry	943	Pennock-Meehan Co.	949
Elliott's, W. Sons	945	Perkins St. Nurseries	926
Esler, J. G.	959	Peters & Reed Co.	958
Ernest, W. H.	958	Piereson, F. R. Co.	942
Eyres	946	Piereson, A. N.	926
Farquhar, R. & J. & Co.	943	Piereson U-Bar Co.	960
Foley Mfg. Co.	959	Plant Food Co., 20th Century.	957
Ford, M. C.	950	Poehlmann Bros.	948
Ford, W. P.	950	Pratt, B. G.	956
Fottler, Fiske Rawson Co.	945	Pulverized Manure Co.	956
Froment, H. E.	950	Reed & Keller.	951
Galvin, Thos. F.	947	Reinberg, Peter.	948
Gloeckner, Carl R.	945	Rice Bros.	948
Greater N. Y. Florists' Asso.	950	Rice, M. & Co.	926
Grey, T. J. Co.	945	Rickards Bros.	945
Gude Bros. Co.	946	Robinson & Co.	948
Hail Association.	959	Rock, Wm. L.	946
Hart, Geo. B.	948	Roehrs, Julius Co.	942
Hartman, Hjalmar	945	Roland, Thos.	926
Heacock, Jos.	926	Rolker, A. & Sons	958
Herbert	928	Sander & Son.	942
Hews, A. H. & Co.	958	Schultz, Jacob.	946
Hillinger Bros.	958	Scott, John.	927
Hill, The E. G. Co.	943	Scott, Robt. & Son	939
Hitchings & Co.	960	Sharp, Partridge Co.	959
Hoerber Bros.	948	Schell, F. & Co.	927
Hollywood Garden	947	Sheridan, W. F.	950
Home Corresp. School	957	Siebrecht & Siebrecht	950
Horan, E. C.	950	Siggers & Siggers	958
Hunt, E. H.	956	Skidelsky & Irwin	945
		Slinn, R. S., Jr.	950

	Page		Page
Smith, E. D. & Co.	928	Traendly & Schenck	950
Smith, P. J.	950	Valentine, J. A.	946
Smith, W. & T. Co.	928	Vicks, Jas. Sons.	945
Smyth, Wm. J.	946	Vincent, R., Jr. & Sons.	927-943
Standard Plate Glass Co.	959	Wadsworth, B. E.	927
Stearns, A. T. Lumber Co.	959	Wants, For Sale.	957
Stoothoff, H. A. Co.	956	Ward, R. M. & Co.	943
Stumpp & Walter Co.	956	Waterer, John & Sons	928
Syracuse Pottery Co.	958	Welch Bros.	948
Talby	947	Wilson	946
Thorburn, J. M. & Co.	945	Wood Bros.	927
Totty, Chas. H.	927	Woodruff, S. D.	945
Thurlow's, T. C. Sons, Inc.	928	Yokohama Nursery	926
Trepel, C. C.	926	Young, A. L.	950
		Young & Nugent.	946
		Zinn, J. A.	947
		Ziweifel, Nic.	927

DURING RECESS.

New York Bowlers.

Friday, December 23, was not a favorable date for the indulgence in pastimes of any kind, but there were six who managed to show up and they played a long series of games of which the following were the most presentable scores:

Manda,	169	189	166	Kakuda,	125	134	125
Scott,	140	148	167	McArdle,	105	103	156
Shaw,	131	132	142	Berry,	137	124	149

The Cincinnati bowling club will meet Wednesday, Jan. 4th, instead of on Monday, the 2nd.

THE FIRST CHRYSANTHEMUM.

Le Jardin of Paris gives in its number for the 20th of November last a colored illustration, reproduced from the Botanical Magazine, of the first large flowering chrysanthemum introduced into Europe by Capt. Blancard.

Begin Right

by sending your dollar
for HORTICULTURE for
the year 1911.

You will help us
and
We shall try to help you.

Tell your Friends that
they will make no mis-
take in taking

HORTICULTURE.

Only \$1 for 52 Numbers

It's Worth the Price.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

HELP WANTED

HELP WANTED—A single man to help grow and bunch single violets for market. Wages \$30.00 per month with board and room. E. Bingham, Pine St., Dedham, Mass.

WANTED—To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade. Address Southworth Bros., Beverly, Mass.

SITUATIONS WANTED

PRACTICAL GARDENER, inside and out, experienced with fruit, vegetables and flowers. Strictly temperate; best references. Herbert M. Cheever, Needham, Mass.

FOR SALE

I am a farmer and have for sale strictly choice clover seed. Also handle mammoth and alsike clover, timothy and millet seed. Reid's Yellow Dent, Leaming, Boun Co. White, and Silver Mine and the big Silo fodder seed corn. Please ask for samples and prices. I also buy all kinds of seed. L. F. Stoecker, Farmdale or Peoria, Ill., Box 18.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

In ordering goods please add I "saw it in HORTICULTURE."

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Chicago, Ill.—E. C. Amling Co. will move to 19 Randolph street about Jan. 1st.

Fulton, Mo.—Charles Thompson has been appointed florist at the State Hospital.

Butler, Tenn.—The evergreen business of the Mountain Fern Co. has been discontinued.

Shenandoah, Pa.—Contract has been let for a greenhouse to be built at the City Park to cost \$960.

Madera, Calif.—The Kirkman Nursery Co. of Fresno has put Harry Fraser in charge of their sales yards.

Washburn, Wis.—W. F. Flint of Minneapolis will start a nursery and build a greenhouse here in the spring.

Clifton Forge, Va.—O. C. Ports of Nora, Ind., has purchased a twenty-acre farm near here and will start a florist business.

Sunnyside, Wash.—A new packing and storage shed 100 x 100 feet has just been completed by the Sunnyside Nursery Co.

Spokane, Wash.—H. M. Todd, of H. M. Todd & Co., Portland nurserymen, has visited this city with a view to establishing a nursery here.

New Haven, Conn.—While at work in his barn recently, Al Maxwell, gardener at 1198 Dixwell avenue, was robbed and beaten by two men.

Hartford, Conn.—The greenhouse of L. E. Pike at Vine street and Albany avenue has been opened by Arthur Calverley as a commercial place.

Maryville, Mo.—The greenhouses of Peter Mergen, North Main street, have been purchased by A. Engelmann & Son, and will be converted into an up-town display and sales-room.

Knoxville, Tenn.—A brick grafting house to take the place of the one destroyed by fire last March, as HORTICULTURE reported at that time, is just being completed at the Bell's Bridge Nursery of the Knoxville Nursery Co.

Elizabeth, N. J., Dec. 27.—Frank White, forty-seven, a local florist and member of the Elks' Lodge, shot himself in the right temple yesterday as he lay in bed in his home, 1274 Waverly place, dying instantly. Members of his family say he worried until his mind became unbalanced.

FIRE RECORD.

Lima, Ohio.—The Romagan Greenhouse was destroyed by fire on Dec. 10th.

Columbus, Ohio.—The greenhouse of Frank Miller on Fairview Pike was burned on Dec. 16th.

Oriskany, N. Y.—Fire slightly damaged the greenhouse of Charles Gifford & Co., Dec. 9th.

Lawrence, Mass.—The greenhouse of Thornton Bros., was damaged by fire recently to the extent of about \$300.

Lima, Ohio.—Fire from an overheated furnace almost destroyed the greenhouse of Henry Muller, Dec. 10th.

Canandaigua, N. Y.—The greenhouse on the O. S. Bacon farm was completely destroyed by fire Dec. 17th; loss about \$1500.

Girard, Pa.—A barn with its contents, including four valuable horses, property of the Pennsylvania Nursery Co., was burned on Dec. 9th.

Delaware, Ohio.—Fire which destroyed the entire Henry Block, damaged the Zack Davis Co., seed growers, to the extent of \$2,000, in Dec. 18th, slight insurance.

GREENHOUSES BUILDING OR CONTEMPLATED.

Shenandoah, Pa.—City Park, one house.

Washburn, Wis.—W. F. Flint, one house.

Wakefield, Kan.—Percy Walter, addition.

Northampton, Mass.—H. W. Field, addition.

Norfolk, Va.—Foxhall Nursery, house 25 x 300 feet.

New Orleans, La.—Charles Eble, palm house 20 x 60 feet.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Holds Glass
Firmly
See the Point at
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

DREER'S

Florist Specialties
KEYSTONE C&DAR
PLANT TUBS



Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00
B 12 1/2 "	.75	8.25	65.00
C 13 1/2 "	.85	9.35	75.00
D 14 1/2 "	1.00	11.00	90.00
E 15 "	1.25	13.75	110.00
F 16 1/2 "	1.50	16.50	130.00

Three largest sizes have
handles.

Special PAIL TUB

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street

PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2 1/4 " " " 5.25	120 7 " " " 4.80
1500 2 1/2 " " " 6.00	60 8 " " " 3.00

HAND MADE

1000 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.40	24 11 " " " 3.60
450 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
200 5 1/2 " " " 3.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of

Cylinders for Cut flowers, Hanging Baskets Lawns

V. ses, etc. Ten per cent. off for cash with order. Address

Hilfinger Bros., Pottery, Fort Edward, N.Y.

August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned
pots on hand for the trade of 1910. Prompt shipments
guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY

FOR OUR

Florist's Red Pots

is prepared by passing

through a screen 1600 meshes

to the square inch. If in a

hurry for pots, order from us.

THE PETERS & REED POTTERY CO.

Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

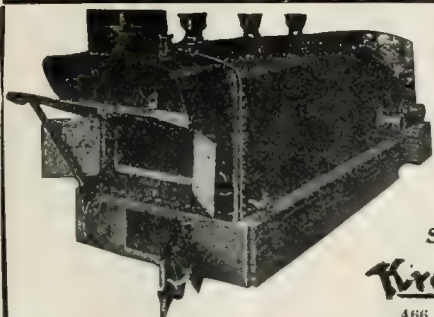
W. H. ERNEST

28th & M Sts.,

Washington, D. C.

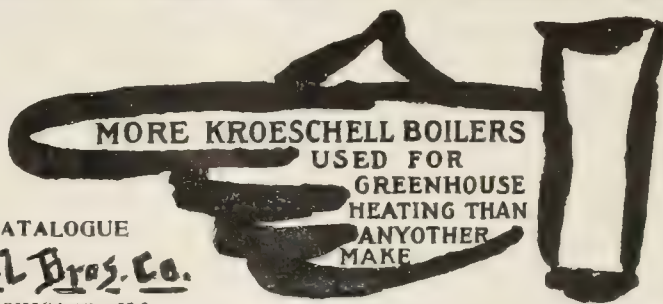
When You Write To An Advertiser

Always begin your letter with the words: "I saw your adv. in HORTICULTURE." You will find it will bring you a prompt reply and very courteous treatment. Our advertisers are glad to send catalogs and to answer questions for our readers.



SEND FOR CATALOGUE
Kroeschell Bros. Co.
 466 W. Erie St., CHICAGO, ILL.

**MORE KROESCHELL BOILERS
 USED FOR
 GREENHOUSE
 HEATING THAN
 ANYOTHER
 MAKE**



GREENHOUSE CONSTRUCTION

THE LAST WORD has been said about PIPE HANGERS, SHELF BRACKETS and BENCH FITTINGS when you get those of the KING TYPE.

WRITE US FOR BULLETINS ABOUT

GREENHOUSES

KING CONSTRUCTION COMPANY

North Tonawanda, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY.

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

NOW IS THE TIME TO BUY

GLASS

WE HAVE INTERESTING PRICES.

Sharp, Partridge & Co.
 CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
 Telephone, Fort Hill 2475

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
 117 E. Blackhawk St., CHICAGO.

LET US QUOTE YOU ON NEW
 AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
 Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
 1392-1414 Metropolitan Ave., Brooklyn, N. Y.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
 PURLINS, PIPE, FITTINGS, GLASS,
 Etc.

PRIVATE AND CONSERVATORY
 WORK A SPECIALTY.

The Foley Manufacturing Co.
 Western Ave. and 26th St., CHICAGO

CYPRESS SASH BARS
 32 feet or longer
 HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
 NEPONSET, BOSTON, MASS.

ADVANCE



Machines combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

We assure you that your orders or inquiries will receive our prompt and careful attention.

Compare our prices, it will do no harm.

The Advance Co.
 RICHMOND, IND.

CHARLES H. DODD

Greenhouse Builder.
 Heating and Ventilating.
 Ideal Greenhouse Boilers.
 Materials Furnished or Erected.

576-580 OCEAN AVE., JERSEY CITY, N. J.

**THE FLORISTS' HALL ASSOCIATION
 OF AMERICA, Insurer of \$2,500,000
 sq. ft. of glass. For particulars address
 John G. Esler, 84 W. Saddle River, N. J.**



Over and Over Again We Have Tried to Impress on Your Minds

that there is no need to get discouraged about ever having a greenhouse just because there seems to you to be no room for one. Leave that to us. We have cracked some tough location nuts. Here is one squeezed in between the Carden wall and Gardner's Cottage on a place at Newport, R. I. Tell us your troubles—that's what we are looking for.

Hitchings & Company

1170 BROADWAY

NEW YORK



Mr. T. E. Procter, at Topsfield, Mass., has besides his other houses, an eleven foot house 75 feet long, divided in three compartments. This one is now filled with pot strawberries.

THE ELEVEN FOOT HOUSE

Don't shake your head because it's a small house—for many purposes it is just as good as the wider one. For growing melons, for instance. Our New Catalog shows and tells

some decidedly interesting facts about "eleven footers." Some of them you already know, but there's a chance that some of them you don't know. Do you want the catalog?

Lord & Burnham Co.

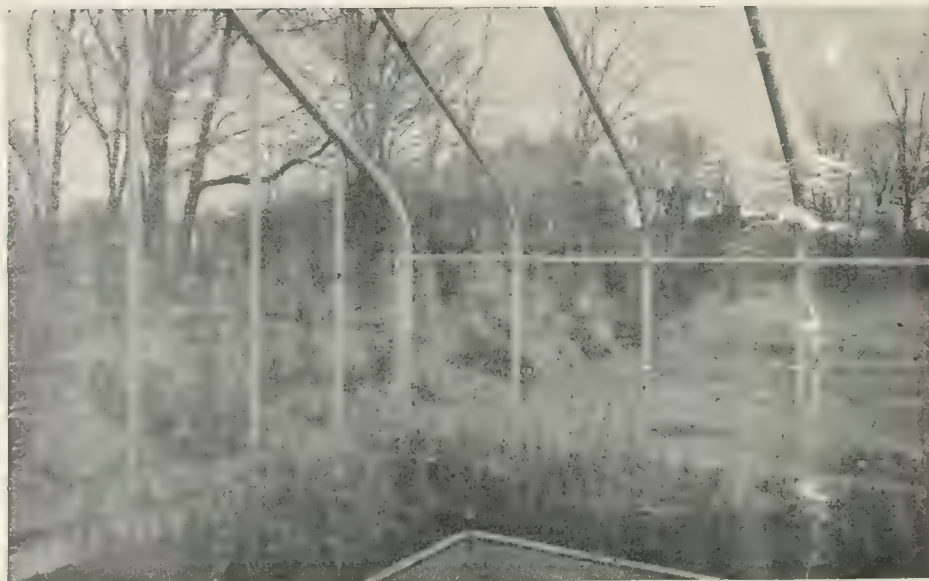
Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Heed Bldg.

Chicago
The Rookery



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

